

# INVITATION FOR BIDS

Solicitation No. DTFH70-08-B-00001

**Bid Opening Date:**

See Page A-3, Block 13A

**WA PRA-MORA 10(11)  
SR 123-2 and SR 410-1c**

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**A-1 Notice to Bidders**

## BID REMINDERS

**Electronic bids will not be accepted. Submit printed copy of bid to the address listed on the enclosed SF 1442. Before submitting your bid, please review the following:**

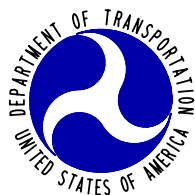
- Have you rechecked your bid figures?
- Have you completed the bid schedule?
- Have you completed and signed the SF 1442, Solicitation, Offer & Award?
- Have you acknowledged all amendments?
- Have you completed the Representations & Certifications (Page B-1)?
- Is your bid guarantee enclosed in proper form and amount (see FAR Clause 52.228-1), including Power of Attorney affidavit?
- Does the lower left corner of the proposal envelope state "Bid Enclosed"?
- Does the lower left corner include the Solicitation Number and the project number/name?

**Solicitation, Offer & Award, Bid Schedule, Contract Clauses,  
Minimum Wage Schedule, Special Contract Requirements, and Plans**

This solicitation cites

***Standard Specifications for Construction of Roads and Bridges  
on Federal Highway Projects, FP-03 U.S. Customary Units***

**ISSUING OFFICE:**



**U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
610 EAST FIFTH STREET  
VANCOUVER, WA 98661-3801  
Phone: (360) 619-7520 – FAX: (360) 619-7932  
Web site: [www.wfl.fhwa.dot.gov/edi/](http://www.wfl.fhwa.dot.gov/edi/)  
e-mail: [contracts@mail.wfl.fhwa.dot.gov](mailto:contracts@mail.wfl.fhwa.dot.gov)**



**PROJECT NAME**                      **WA PRA-MORA 10(11)**  
**SR 123-2 and SR 410-1c**

	<u><b>SR 123-2</b></u>	<u><b>SR 410-1c</b></u>
<b>BEGINNING AT</b>	<b>180+00</b>	<b>18+00</b>

<b>ENDING AT</b>	<b>488+84</b>	<b>210+00</b>
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**NATIONAL PARK**                      **MOUNT RAINIER**

**COUNTY**                                **PIERCE**

**STATE**                                    **WASHINGTON**

<b>LENGTH</b>	<b>(SR 123-2)</b> <b>5.849 MILES</b>	<b>(SR 410-1c)</b> <b>1.822 MILES</b>
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**FIXED COMPLETION DATE**            **See FAR Clause 52.211-10**  
**(FAR Clauses begin on page C-1)**



## Bid Submittal Checklist

Before submitting your bid please review the following:	Done?	Is this in the envelope?
<b>Bid Envelope</b>		
Did I correctly address the envelope? (See page A-3, blocks 7 & 8)		
Does the lower left corner of the envelope include the Solicitation Number and the project name/number?		
<b>Pages A-3 &amp; A-4 (SF 1442, Solicitation Offer &amp; Award)</b>		
Did I include our firm name and address in block 14?		
Did I include our firm's phone number in block 15?		
Did I include our firm's remittance address in block 16? (Use when different than block 14)		
Did I include my DUNS number?		
Did I include the number & date of <u>all</u> amendments in block 19?		
Did the appropriate official sign/date in block 20A, 20B & 20C?		
<b>Bid Schedule (see page A-7)</b>		
Did I insert "Unit Bid Price" and "Amount Bid" for each bid item?		
Did the appropriate official initial corrections?		
Did I include the "Total" on the last page of each bid schedule?		
Did I include the firm's name on the last page of each bid schedule?		
When applicable, did I include the totals for each schedule in the summary page? (see last page of bid schedules.)		
<b>Bid Bond (Standard Form 24)</b>		
<b>Bids received without a valid bid bond will be rejected.</b>		
Did I complete my bid bond correctly?		
Did I attach the Power of Attorney to the bid bond?		
<b>Authority to Sign</b>		
Did I include a completed form for <u>each</u> person signing the SF1442 and Bid Bond?		
<b>Representations &amp; Certifications &amp; other fill-ins</b>		
Did I include the completed B-pages (beginning on B-1)?		
Did I include the completed clause 1252.228-73 <i>Notification of Miller Act Payment Bond Protection</i> (clauses begin on page C-1)?		
<b>Online Representations &amp; Certifications Application (ORCA) <a href="http://orca.bpn.gov">http://orca.bpn.gov</a></b>		
Do we have up-to-date data in ORCA ?		
<b>Central Contractor Registration (CCR) <a href="http://www.ccr.gov">http://www.ccr.gov</a></b>		
Did I ensure our firm is currently registered in CCR?		
<b>Vets100 Reporting <a href="http://vets.dol.gov/vets100/">http://vets.dol.gov/vets100/</a></b>		
Did I ensure our firm has completed this annual report?		

**NOTE:** The Contractor is fully responsible to verify that all data is correct each time a bid package is submitted. Failure to properly input and/or update your data may cause the bid to be rejected.



## **Bid Submittal Checklist**

**Driving Directions to our Vancouver Washington Office:**

See our web page at <http://www.wfl.fhwa.dot.gov/about/directions.htm>



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INSTRUCTIONS: When the offeror/principal is a corporation, include this certification with your offer/bid.

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## Corporate Certificate

I, \_\_\_\_\_ (name), certify that I am the

\_\_\_\_\_ (title), of the corporation named as

the Offeror/Principal herein;

that \_\_\_\_\_ (name), who signed this

offer and/or bid bond on behalf of \_\_\_\_\_ (company name) is

\_\_\_\_\_ (title) of this corporation;

that the offer was duly signed for and on behalf of said corporation by authority and

scope of its governing body, and within the scope of its corporate powers.

\_\_\_\_\_ (signature)

Affix Corporate Seal

\_\_\_\_\_ (title)

Authority to Sign

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



INSTRUCTIONS: When the offeror/principal is a limited liability company, include this certification with your offer/bid.

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## Limited Liability Certificate

I, \_\_\_\_\_ (name), certify that I am the

\_\_\_\_\_ (title), of the limited liability company

named as the Offeror/Principal herein;

that \_\_\_\_\_ (name), who signed this

offer and/or bid bond on behalf of \_\_\_\_\_ (company name) is

\_\_\_\_\_ (title) of this company;

that the offer was duly signed for and on behalf of said company by authority and

scope of its governing body, and within the scope of its powers.

\_\_\_\_\_ (signature)

\_\_\_\_\_ (title)

Affix Company Seal  
(as applicable)

Authority to Sign

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



INSTRUCTIONS: When the offeror/principal is a partnership, include this certification with your offer/bid.

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## **Authority to Bind Partnership**

This certifies that the names and signatures of all partners are listed below, and that the person signing the proposal has the authority to actually bind the partnership pursuant to its partnership agreement. Each of the partners individually has full authority to enter into and execute contractual instruments on behalf of said partnership, except as follows:

(State "None" or describe limitations, if any)

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This authority shall remain in full force and effect until such time as the revocation of authority by any cause whatsoever has been furnished in writing to and acknowledge by the Contracting Officer.

(Include names and signatures of all partners)

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Authority to Sign

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



INSTRUCTIONS: When the offeror/principal is a joint venture, include this certification with your offer/bid.

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## **Authority to Bind Joint Venture**

This certifies that the person signing the proposal has the authority to actually bind the joint venture pursuant to its joint venture agreement, and that each of the named persons listed below individually has full authority to enter into and execute contractual instruments on behalf of said joint venture, except as follows:

(State "None" or describe limitations, if any)

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This authority shall remain in full force and effect until such time as the revocation of authority by any cause whatsoever has been furnished in writing to and acknowledge by the Contracting Officer.

(Include names and signatures of all applicable individuals)

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Authority to Sign

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



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INSTRUCTIONS: When the offeror/principal is a sole proprietorship, the signature on the offer/bid and on the bonds must be as follows:

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## **Sole Proprietorship Requirement**

An Offeror/Principal that is a sole proprietorship must submit an offer/bid and a bond signed by the sole proprietor, or by one duly authorized to sign for the sole proprietor. If the signature is by someone other than the sole proprietor, a copy of the power of attorney authorizing the individual to sign must be provided with the offer/bid.

Authority to Sign

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



<b>BID BOND</b> <i>(See instruction on reverse)</i>	DATE BOND EXECUTED <i>(Must not be later than bid opening date)</i>	OMB NO.: 9000-0045
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Public reporting burden for this collection of information is estimated to average 25 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the FAR Secretariat (MVR), Federal Acquisition Policy Division, GSA, Washington, DC 20405.

PRINCIPAL <i>(Legal name and business address)</i>	TYPE OF ORGANIZATION <i>("X" one)</i> <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> JOINT VENTURE <input type="checkbox"/> CORPORATION STATE OF INCORPORATION
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SURETY(IES) *(Name and business address)*

PENAL SUM OF BOND					BID IDENTIFICATION	
PERCENT OF BID PRICE	AMOUNT NOT TO EXCEED				BID DATE	INVITATION NO.
	MILLION(S)	THOUSAND(S)	HUNDRED(S)	CENTS		DTFH70-08-B-00001
					FOR <i>(Construction, Supplies, or Services)</i>	WA PRA-MORA 10(11) SR 123-2 and SR 410-1c

OBLIGATION:

We, the Principal and Surety(ies) are firmly bound to the United States of America (hereinafter called the Government) in the above penal sum. For payment of the penal sum, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally. However, where the Sureties are corporations acting as co-sureties, we, the Sureties, bind ourselves in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any or all of us. For all other purposes, each Surety binds itself, jointly and severally with the Principal, for the payment of the sum shown opposite the name of the Surety. If no limit of liability is indicated, the limit of liability is the full amount of the penal sum.

CONDITIONS:

The Principal has submitted the bid identified above.

THEREFORE:

The above obligation is void if the Principal - (a) upon acceptance by the Government of the bid identified above, within the period specified therein for acceptance (sixty (60) days if no period is specified), executes the further contractual documents and gives the bond(s) required by the terms of the bid as accepted within the time specified (ten (10) days if no period is specified) after receipt of the forms by the principal; or (b) in the event of failure to execute such further contractual documents and give such bonds, pays the Government for any cost of procuring the work which exceeds the amount of the bid.

Each Surety executing this instrument agrees that its obligation is not impaired by any extension(s) of the time for acceptance of the bid that the Principal may grant to the Government. Notice to the surety(ies) of extension(s) are waived. However, waiver of the notice applies only to extensions aggregating not more than sixty (60) calendar days in addition to the period originally allowed for acceptance of the bid.

WITNESS:

The Principal and Surety(ies) executed this bid bond and affixed their seals on the above date.

PRINCIPAL				
SIGNATURE(S)	1.	2.	3.	Corporate Seal
	<i>(Seal)</i>	<i>(Seal)</i>	<i>(Seal)</i>	
NAME(S) & TITLE(S) <i>(Typed)</i>	1.	2.	3.	

INDIVIDUAL SURETY(IES)		
SIGNATURE(S)	1.	2.
	<i>(Seal)</i>	<i>(Seal)</i>
NAME(S) <i>(Typed)</i>	1.	2.

CORPORATE SURETY(IES)				
SURETY A	NAME & ADDRESS	STATE OF INC.	LIABILITY LIMIT (\$)	Corporate Seal
	SIGNATURE(S)	1.	2.	
	NAME(S) & TITLE(S) <i>(Typed)</i>	1.	2.	



<b>SURETY B</b>	NAME & ADDRESS		STATE OF INC.	LIABILITY LIMIT (\$)	<i>Corporate Seal</i>
	SIGNATURE(S)	1.	2.		
	NAME(S) & TITLE(S) (Typed)	1.	2.		
<b>SURETY C</b>	NAME & ADDRESS		STATE OF INC.	LIABILITY LIMIT (\$)	<i>Corporate Seal</i>
	SIGNATURE(S)	1.	2.		
	NAME(S) & TITLE(S) (Typed)	1.	2.		
<b>SURETY D</b>	NAME & ADDRESS		STATE OF INC.	LIABILITY LIMIT (\$)	<i>Corporate Seal</i>
	SIGNATURE(S)	1.	2.		
	NAME(S) & TITLE(S) (Typed)	1.	2.		
<b>SURETY E</b>	NAME & ADDRESS		STATE OF INC.	LIABILITY LIMIT (\$)	<i>Corporate Seal</i>
	SIGNATURE(S)	1.	2.		
	NAME(S) & TITLE(S) (Typed)	1.	2.		
<b>SURETY F</b>	NAME & ADDRESS		STATE OF INC.	LIABILITY LIMIT (\$)	<i>Corporate Seal</i>
	SIGNATURE(S)	1.	2.		
	NAME(S) & TITLE(S) (Typed)	1.	2.		
<b>SURETY G</b>	NAME & ADDRESS		STATE OF INC.	LIABILITY LIMIT (\$)	<i>Corporate Seal</i>
	SIGNATURE(S)	1.	2.		
	NAME(S) & TITLE(S) (Typed)	1.	2.		

### INSTRUCTIONS

1. This form is authorized for use when a bid guaranty is required. Any deviation from this form will require the written approval of the Administrator of General Services.
2. Insert the full legal name and business address of the Principal in the space designated "Principal" on the face of the form. An authorized person shall sign the bond. Any person signing in a representative capacity (e.g., an attorney-in-fact) must furnish evidence of authority if that representative is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved.
3. The bond may express penal sum as a percentage of the bid price. In these cases, the bond may state a maximum dollar limitation (e.g., (e.g., 20% of the bid price but the amount not to exceed \_\_\_\_\_ dollars).
4. (a) Corporations executing the bond as sureties must appear on the Department of the Treasury's list of approved sureties and must act within the limitation listed therein. where more than one corporate surety is involved, their names and addresses shall appear in the spaces (Surety A, Surety B, etc.) headed "CORPORATE SURETY(IES)." In the space designed "SURETY(IES)" on the face of the form, insert only the letter identification of the sureties.  
  
(b) Where individual sureties are involved, a completed Affidavit of Individual surety (Standard Form 28), for each individual surety, shall accompany the bond. The Government may require the surety to furnish additional substantiating information concerning its financial capability.
5. Corporations executing the bond shall affix their corporate seals. Individuals shall execute the bond opposite the word "Corporate Seal"; and shall affix an adhesive seal if executed in Maine, New Hampshire, or any other jurisdiction requiring adhesive seals.
6. Type the name and title of each person signing this bond in the space provided.
7. In its application to negotiated contracts, the terms "bid" and "bidder" shall include "proposal" and "offeror."



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## **SPECIAL CONTRACT REQUIREMENTS (SCR's)**

The following Special Contract Requirements amend and supplement the Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-03 U.S. Customary Units.

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## NOTICE TO BIDDERS

### I. Project Location.

The project work is located at milepost 10.8 on State route 123 in Mt. Rainier National Park, approximately 19 miles north of Packwood, Washington in Pierce County. Global Positioning System (GPS) Coordinates for the beginning of the project are 46° 49' 30" N, 121° 32' 40" W.

### II. Pre- bid Information.

**TECHNICAL QUESTIONS REGARDING PROPOSED WORK FOR THIS PROJECT WILL NOT BE ACCEPTED AFTER THE CLOSE-OF-BUSINESS ON APRIL 14, 2008.**

Questions can be submitted and answers viewed by going to project information at <http://www.wfl.fha.dot.gov/edi/current.htm>

This solicitation includes electronic plan sheets. Plan sheets can be found at <http://www.wfl.fhwa.dot.gov/edi/plans/mora1011/> and viewed by individual sections, downloaded by individual sections, or the entire plan set downloaded in a zip file. A paper copy of the plan sheets is available by submitting the form included in this solicitation.

Requests for technical information (Plan and Division 100 – 700 Specification questions only) about this project will only be accepted in writing (see Block 9 on page A-5).

If the contract is awarded after applying the price preference for HUBZone small business concerns under FAR clause 52.219-4; at least 50 percent of the cost of the contract performance incurred for personnel must be spent on the prime Contractor's employees or the employees of other qualified HUBZone small business concerns. See Subsection 108.02A.

REPS & CERTS. Submit or update Representations and Certifications online at <http://orca.bpn.gov> before bid submittal. For more details go to FAR Provision 52.204-8 *Annual Representations and Certifications* (see page B-2). If you have previously registered on-line and the NAICS code for this solicitation is different than the code listed in your online file, please note the amended changes on the lines provided in FAR 52.204-8.

This solicitation contains a Price Evaluation Factor. We will apply a factor of 10% to an apparent low bid submitted by a large business when we also receive a bid from a HUBZone small business; the 10% factor does not apply to apparent low bids submitted by a small business. See FAR Clause 52.219-4. To verify which firms are currently HUBZone certified see: <https://eweb1.sba.gov/hubzone/internet/general/approved-firms.cfm>.

Particular attention should be paid to Standard Form 1442, Solicitation, Offer and Award, to assure that Blocks 14, 15, 16, 19, 20A, and 20C are completed correctly. Sign Block 20B according to the instructions in Subsection 102.02. You must submit a completed 'Authority to Sign' document (see 'Bidder's' packet). You must also complete the representations and certifications contained in the Contract Provisions beginning on page B-1. Failure to furnish or

Notice to Bidder

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



complete any of the above may result in your bid being considered nonresponsive and being rejected.

Facsimile bids are not authorized for this solicitation. Bids may be modified or withdrawn by facsimile, if such notice is received by the time specified for receipt of bids. The Government will not be responsible for any failure attributable to the transmission or receipt of facsimile data. See FAR Provision 52.214-5, Submission of Bids. FAX 360.619.7932.

Notice of CCR Registration. You must register in the Central Contract Registration (CCR) prior to award of this contract. Failure to register prior to contract award will require award to be offered to the next successful registered Offeror. See FAR Subpart 4.1103(c). Register online at [www.ccr.gov](http://www.ccr.gov) or call toll free: 888.227.2423.

### **III. Post Award Information.**

Insurance requirements are set forth in Subsection 107.05.

Contractor Performance Evaluations. FHWA is now posting evaluations in the National Institutes of Health's Contractor Performance System (CPS) for completed projects. Register at <https://cps.nih.gov/infopage.asp> (Click on "CPS Info" tab, then click on "Contractor Information" button) to view and comment on evaluations. System registration is only required once. Review the evaluation and submit comments within 30 days of notification. Reviewing the evaluation and submitting comments is limited to one entry. If unable to register, call 360.619.7520 for assistance or a copy of the evaluation. You can also access the Contractor User Manual from this web link.

### **IV. Specifications and Permits.**

This solicitation and subsequent contract are governed by the Federal Acquisition Regulation (FAR), agency supplemental regulations, and the Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-03 U.S. Customary Units. Obtain paper copies of the FP-03 by calling 360.619.7520, e-mailing at [plans\\_spec@fhwa.dot.gov](mailto:plans_spec@fhwa.dot.gov), or writing Federal Highway Administration, 610 East Fifth Street, Vancouver, WA 98661, Attention: Specification Engineer. An electronic version may be found at <http://www.wfl.fha.dot.gov/design/specs/fp03.htm>.

Geotechnical, hydraulic, bridge, and design data applicable to this project is listed in FAR Clause 52.236-4, Physical Data. See Continuation of SF 1442, Block 9, for information to obtain this data.

The Government offers to make available to the Contractor a laboratory trailer with test equipment. See Subsection 154.04A, Laboratory Trailer and Testing Equipment.

There is no longer two separate pay items for hot asphalt concrete pavement and asphalt binder under Section 401, they have been combined. The Government has changed the formula for the Material Pay Factor for Section 401. See Subsection 401.19.

Notice to Bidder

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



Carefully review Section 153 Contractor Quality Control of the Special Contract Requirements. New requirements have been included that substantially change work required for this Section compared to previous versions.

No Material sources or waste sites have been identified for this project. Secure all permits and clearances for Contractor-located sites and sources. See Subsection 105.02**(b)** and 107.10.



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<b>SOLICITATION, OFFER, AND AWARD</b> <i>(Construction, Alteration, or Repair)</i>		1. Solicitation No. DTFH70-08-B-00001		2. Type of Solicitation		3. Date Issued 03/17/2008		Page A-3	
				<input checked="" type="checkbox"/> Sealed Bid (IFB) <input type="checkbox"/> Negotiated (RFP)					
IMPORTANT – The “offer” section on the reverse must be fully completed by offeror.									
4. Contract No. -			5. Requisition/Purchase Request No. N/A				6. Project No. WA PRA-MORA 10(11), SR 123-2 and SR 410-1c		
7. Issued By U.S. Department of Transportation Federal Highway Administration 610 East Fifth Street Vancouver WA 98661-3801				Code: N/A		8. Address Offer to <b>Attn: Contracts Section</b> Code: N/A			
9. For Information Call:		A. Name See page A-5.				B. Telephone No. <i>(Include area code) (No Collect Calls)</i> 360.619.7520			
<b>SOLICITATION</b>									
<b>NOTE: In sealed bid solicitation “offer” and “offeror” mean “bid” and “bidder”</b>									

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS: *(Title, Identifying No., Date)*

This solicitation is designated WA PRA-MORA 10(11), SR 123-2 and SR 410-1c, Mount Rainier National Park, Pierce County, WA

IN STRICT ACCORDANCE WITH:

Bid Schedule

Federal Acquisition Regulations (FAR) and Transportation Acquisition Regulations (TAR)

General Wage Decision

Special Contract Requirements

Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-03 U.S. Customary Units

11. The Contractor shall begin performance within 10 calendar days and complete it within \* calendar days after receiving the ☐ award, ☒ notice to proceed. This performance period is ☒ mandatory ☐ negotiable. ( See \*see page A-5.)

12A. The Contractor must furnish any required performance and payment bonds?

*(If “YES”, indicate within how many calendar days after award in item 12B.)*

☒ Yes ☐ No

12B. Calendar Days

10

13. Additional Solicitation Requirements:

A. Sealed offers in original and 0 copies to perform the work required are due at the place specified in Item 8 by 2:00 PM local time

04/18/2008. If this is a sealed bid solicitation, offers must be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.

B. An offer guarantee ☒ is ☐ is not required.

C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.

D. Offers providing less than 60 calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.



**OFFER (Must be fully completed by offeror)**

14. Name and Address of Offeror (Include ZIP Code)	15. Telephone No. (Include are code)
	16. Remittance Address (Include on it different than Item 14)
<b>DUNS number:</b>	

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this is accepted by the Government in writing within 60 calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13D. Failure to insert any number means the offeror accepts the minimum in Item 13D.)

<b>AMOUNTS</b>	See Bid Schedule
----------------	------------------

18. The offeror agrees to furnish any required performance and payment bonds.

**19. ACKNOWLEDGEMENT OF AMENDMENTS**

(The offeror acknowledges receipt of amendment to the solicitation - give number and date of each)

AMENDMENT No.									
DATE									

20A NAME, TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or Print)	20B. SIGNATURE	20c. OFFER DATE
--	----------------	-----------------

**AWARD (to be completed by Government)**

21. ITEM(S) ACCEPTED
All items on Bid Schedule.

22. Amount	23. Accounting and Appropriation Data
------------	---------------------------------------

24. Submit Invoices to Address shown in (4 copies unless otherwise specified)	Item See Page A-5	25. Other Than full and open competition pursuant to <input type="checkbox"/> 10 U.S.C. 2304(c) (____) <input type="checkbox"/> 41 U.S.C 253 (c) (____)
---	-------------------	--

26. Administered by Federal Highway Administration Western Federal Lands Highway Division 610 East Fifth Street Vancouver WA 98661-3801	Payment will be made by Finance Section Western Federal Lands Highway Division 610 East Fifth Street Vancouver WA 98661-3801
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**CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE**

<input type="checkbox"/> 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office) Contractor agrees to furnish and deliver all items or perform all work requirements identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.	<input checked="" type="checkbox"/> 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation, is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.
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30A. Name and Title of Contractor or Person authorized to sign (Type or Print)	31A. Name of Contracting Officer (Type or Print)  Julee McTaggart		
30b. Signature	30C. Date	31B. United States of America  By	31C. Award Date



**Block 9** **FOR GENERAL INFORMATION**, call **360.619.7520** from the hours of 8:00 a.m. to 4:00 p.m. local time or e-mail us at [contracts@mail.wfl.fhwa.dot.gov](mailto:contracts@mail.wfl.fhwa.dot.gov). You can also submit questions online from our Western Federal Lands webpage as described below.

**FOR TECHNICAL INFORMATION (plan and specification questions only)**, requests for technical information about this project will only be accepted in writing. Submit questions via fax (360.619.7932) or e-mail at [plans\\_spec@fhwa.dot.gov](mailto:plans_spec@fhwa.dot.gov) ([plans\\_spec@fhwa.dot.gov](mailto:plans_spec@fhwa.dot.gov)). You can also submit questions online from our Western Federal Lands webpage as described below.

**SUBMIT QUESTIONS ONLINE.** You can submit your questions from our Western Federal Lands website <http://www.wfl.fha.dot.gov/edi/current.htm>. In “Advertised Projects”, scroll to the project and click on “Technical Information Question” or “General Information Question”, as applicable. Previously asked and answered questions will be available for viewing on the website.

**FOR DAVIS-BACON WAGE RATE INFORMATION** call the Department of Labor at **415.848.6616**.

**FOR PHYSICAL DATA**, See FAR Contract Clause 52.236-4, Physical Data, (clauses begin on page C-1) for a listing of available data. To obtain copies of Physical Data, submit a written request to the Contracts Section, **FAX 360.619.7932** or e-mail us at [contracts@mail.wfl.fhwa.dot.gov](mailto:contracts@mail.wfl.fhwa.dot.gov). Requests should be made early to assure timely arrival.

**FOR BID RESULTS**, call **360.619.7773**. Bid tabulations will be available on our website approximately 3 work days after the bid opening. Our website is located at: [www.wfl.fhwa.dot.gov/edi/](http://www.wfl.fhwa.dot.gov/edi/).

**Block 11** **COMPLETION DATE:** Work shall be completed on or before the date specified in FAR Clause 52.211-10, *Commencement, Prosecution, and Completion of Work*, subject to such extensions as may be authorized by the terms of the contract and the specifications made a part thereof. Contract Clauses begin on pages C-1.

**Block 12A** **PERFORMANCE & PAYMENT BONDS:** See FAR Clause, 52.228-15, *Performance and Payment Bonds - Construction* (clauses begin on page C-1) and Subsection 102.06 of the *Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-03 U.S. Customary Units*.

**Block 13B** **BID BOND AMOUNT:** See FAR Clause 52.228-1, Bid Guarantee (clauses begin on page C-1).

**ADDITIONAL INFORMATION:** See Subsections 102.03 and 102.04 of *Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-03 U.S. Customary Units*.

**Block 24** **SUBMITTING INVOICES:** See Subsection 109.08 of the *Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-03 U.S. Customary Units*.



**SMALL BUSINESS COMPETITIVENESS DEMONSTRATION PROGRAM.** This solicitation is NOT a Small Business Set-Aside. However, award is made pursuant to the Small Business Competitiveness Demonstration Program.

**ESTIMATED PRICES.** The price range of the project work is between **\$5,000,000** and **\$10,000,000**.

**SUBCONTRACTING PLAN.** This invitation for bids requires a low bidder who is a LARGE business to submit an acceptable subcontracting plan prior to contract award. **Do not submit this form with your bid.** A large business is one whose average gross annual receipts over the past 3 years equal \$31 million or more. For your information the subcontracting plan form is included beginning on page A-6a. This requirement does not apply to SMALL businesses.



**Subcontracting Plan****For Information Only. Do not submit with your bid.**

Contractor: \_\_\_\_\_

Address: \_\_\_\_\_

This plan is submitted in accordance with Federal Acquisition Regulations Contract Clause 52.219-9, *Small Business Subcontracting Plan*, and will be applicable to any contract awarded as result of this solicitation.

Use the following table to indicate:

1. Goals, express in terms of percentages of total planned subcontracting dollars (column 4)
2. Planned subcontracting dollars (column 2).

1 Business Type	2 Planned Subcontracting (Dollars)	3 Calculating Goal percent	4 Goal (Percent)
(i) <u>Total</u> planned for Subcontracting, include businesses of all sizes (large, small, vet owned, etc.).	2(i)	n/a	100%
(ii) Small business concerns (including ANCs & Indian tribes)	2(ii)	2(ii) / 2(i)	
(iii) Veteran-owned small business concerns	2(iii)	2(iii) / 2(i)	
(iv) Service-disabled veteran-owned small business concerns	2(iv)	2(iv) / 2(i)	
(v) HUBZone small business concerns.	2(v)	2(v) / 2(i)	
(vi) Small disadvantaged business concerns (including ANCs & Indian tribes)	2(vi)	2(vi) / 2(i)	
(vii) Women-owned small business concerns	2(vii)	2(vii) / 2(i)	

3(i). Supplies and services (work) to be subcontracted to small business concerns:

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Subcontracting Plan

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



Subcontracting Plan – A-6b

3(ii). Supplies and services (work) to be subcontracted to veteran-owned small business concerns:

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3(iii). Supplies and services (work) to be subcontracted to service-disabled veteran-owned small business concerns:

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3(iv). Supplies and services (work) to be subcontracted to HUBZone small business concerns\_

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3(v). Supplies and services (work) to be subcontracted to small disadvantaged business concerns (including ANCs & Indian tribes):

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3(vi). Supplies and services (work) to be subcontracted to women-owned small business concerns:

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4. The following method was used to develop the subcontracting goals:

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Subcontracting Plan – A-6c

5. The following method(s) was/were used to identify potential sources [e.g., existing company source lists, the Dynamic Small Business search (on CCR), veterans service organizations, the National Minority Purchasing Council Vender Information Service, the Research & Information Division of the Minority Business Development Agency in the Department of Commerce, or small, HUBZone, small disadvantaged and women-owned small business trade associations]:

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6. Indirect or overhead costs (\_\_)have (\_\_)have not been included in the goals specified above. If costs have been included, describe the method used to determine the proportionate share of costs to be incurred with each type of business.

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7. The following individual will administer this subcontracting program:

Name: \_\_\_\_\_

Describe the individual's duties relating to the accomplishment of this subcontracting program:

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8. Describe the efforts the Contractor will make to assure that small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns have an equitable opportunity to compete for subcontracts.

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9. The Contractor agrees that FAR Contract Clause 52.219-8, *Utilization of Small Business Concerns*, will be included in all subcontracts that offer further subcontracting opportunities, and that the Contractor will require all subcontractors (except small business concerns) who receive subcontracts in excess of \$550,000 (\$1,000,000 if construction) to adopt a subcontracting plan that complies with the requirements of FAR Contract Clause 52.219-9, *Small Business Subcontracting Plan*.

10. The Contractor agrees to: (i) Cooperate in any studies or surveys as may be required; (ii) Submit periodic reports concerning compliance with this subcontracting plan; (iii) Submit *Standard Form (SF) 294, Subcontracting Report for Individual Contracts*, and *Standard Form (SF) 295*,

Subcontracting Plan

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



## Subcontracting Plan – A-6d

*Summary Subcontract Report*, in accordance with the instructions on the forms; and (iv) Ensure that its subcontractors agree to submit SF 294 and SF 295.

The SF 294 shall be submitted semiannually and at contract completion. The SF 295 shall be submitted annually at the close of each fiscal year (Sep 30).

11. The Contractor agrees to maintain records to demonstrate procedures adopted to comply with the requirements and goals of this plan. These records shall describe the Contractor's efforts to locate small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns and award subcontracts to these concerns. At a minimum, the records shall include the following:
  - (i) Source lists (e.g. CCR), guides, and other data used to identify small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns.
  - (ii) Organizations contacted in an attempt to locate sources that are small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns.
  - (iii) Records on each subcontract award of more than \$100,000. These records shall indicate:
    - (A) Whether small business concerns were solicited and, if not, why not.
    - (B) Whether veteran-owned small business concerns were contacted and, if not, why not.
    - (C) Whether service-disabled veteran-owned small business concerns were contacted and, if not, why not.
    - (D) Whether HUBZone small business concerns were contacted and, if not, why not.
    - (E) Whether small disadvantaged business concerns (including ANCs & Indian tribes) were contacted and, if not, why not.
    - (F) Whether women-owned small business concerns were contacted and, if not, why not.
    - (G) If applicable, the reason award was not made to a small business.
  - (iv) Records of outreach efforts to contact trade associations, business development organizations, and conferences/trade fairs in an attempt to locate small, HUBZone small, small disadvantaged and women-owned small business concerns. Records of efforts to contact veterans service organizations.
  - (v). Records of internal guidance/encouragement provided to buyers through workshops, seminars, training, etc., and monitoring performance to evaluate compliance with the program's requirements.
  - (vi). On a contract-by-contract basis, records to support award data submitted by the offeror to the Government, including the name, address, and business size of each subcontractor.



## Subcontracting Plan – A-6e

The Contractor agrees to:

1. Assist small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns by arranging solicitations, time for the preparation of bids, quantities, specifications, and delivery schedules so as to facilitate the participation by such concerns. Where the Contractor's lists of potential small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business subcontractors are excessively long, reasonable effort shall be made to give all such small business concerns an opportunity to compete over a period of time.
2. Provide adequate and timely consideration of the potentialities of small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns in all "make-or-buy" decisions.
3. Counsel and discuss subcontracting opportunities with representatives of small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns.
4. Confirm that a subcontractor representing itself as a HUBZone small business concern is identified as a certified HUBZone small business concern by accessing the Central Contractor Registration (CCR) database or by contacting SBA.
5. Provide notice to subcontractors concerning penalties and remedies for misrepresentations of business status as small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business for the purpose of obtaining a subcontract that is to be included as part or all of a goal contained in this subcontracting plan.

The Contractor acknowledges that a failure of the Contractor or subcontractor to comply in good faith with clause 52.219-8, *Utilization of Small Business Concerns*, or this approved subcontracting plan shall be considered a material breach of the contract.

### **Contractor:**

Submitted By: \_\_\_\_\_

Name and Title of Signer (Type or Print)

\_\_\_\_\_  
Signature of Person Authorized to Sign

Date: \_\_\_\_\_

### **Federal Highway Administration:**

Accepted by: \_\_\_\_\_

Julee McTaggart, Contracting Officer

Date: \_\_\_\_\_

Subcontracting Plan

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



**Reserved**



## Bid Schedule

Project: WA PRA MORA 10(11)  
SR 123 PHASE II AND SR410

Bidder please note: Before preparing the bid, carefully read the Solicitation Provisions.

Insert a unit bid price, in figures, for each pay item for which a quantity appears in the bid schedule. Multiply the unit price by the quantity for each pay item and show the amount bid. Should any mathematical check made by the Government show a mistake in the amount bid, the Amount Bid for the item will be based on the Unit Bid Price.

When "LPSM" (Lump Sum) appears as a unit bid price, insert an amount for each lump sum pay item.

When a sum based on a fixed rate appears for any pay item in the amount bid column, include the Government inserted amount bid for the item in the total bid amount.

Total the amounts bid for all pay items and insert the total bid amount.

Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
15101-0000	MOBILIZATION		
	ALL	Lump Sum	\$ _____
15201-0000	CONSTRUCTION SURVEY AND STAKING		
	ALL	Lump Sum	\$ _____
15301-0010	CONTRACTOR QUALITY CONTROL AND ASSURANCE		
	ALL	Lump Sum	\$ _____
15401-0000	CONTRACTOR TESTING		
	ALL	Lump Sum	\$ _____
15501-0000	CONSTRUCTION SCHEDULE		
	ALL	Lump Sum	\$ _____
15705-0100	SOIL EROSION CONTROL, SILT FENCE		
	1,700.0		
	LNFT	\$ _____	\$ _____
15705-1400	SOIL EROSION CONTROL, SEDIMENT LOG - Coir or Excelsior		
	2,700.0		
	LNFT	\$ _____	\$ _____

Bid Schedule A

Project: WA PRA MORA 10(11)  
SR 123 PHASE II AND SR410



Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
15801-0000	WATERING FOR DUST CONTROL		
	600		
	MGAL	\$ _____	\$ _____
20301-0100	REMOVAL OF BOLLARD (STONE MASONRY PILLAR)		
	168		
	EACH	\$ _____	\$ _____
20303-2200	REMOVAL OF PAVEMENT, ASPHALT, 6-INCH DEPTH		
	320		
	SQYD	\$ _____	\$ _____
20303-3200	REMOVAL OF SIDEWALK, CONCRETE		
	240		
	SQYD	\$ _____	\$ _____
20315-0000	SAWCUTTING PAVEMENT (PORTLAND CEMENT SIDEWALK)		
	1,200.0		
	LNFT	\$ _____	\$ _____
20402-0000	SUBEXCAVATION		
	337.0		
	CUYD	\$ _____	\$ _____
20411-0000	SELECT BORROW		
	518.00		
	TON	\$ _____	\$ _____
20421-0000	ROCK EXCAVATION (TUNNEL ROCK FALL)		
	10.0		
	CUYD	\$ _____	\$ _____
20701-0800	EARTHWORK GEOTEXTILE, TYPE II-B		
	800		
	SQYD	\$ _____	\$ _____
20703-0000	GEOGRID		
	17,560		
	SQYD	\$ _____	\$ _____
21101-1000	ROADWAY OBLITERATION, METHOD 1		
	8,053		
	SQYD	\$ _____	\$ _____
25101-4000	PLACED RIPRAP, CLASS 4		
	40.0		
	CUYD	\$ _____	\$ _____

Bid Schedule A

Project: WA PRA MORA 10(11)  
SR 123 PHASE II AND SR410



Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
25125-0000	BOULDER , TIPSOO WALKWAY 1,600 EACH	\$ _____	\$ _____
27001-0000	GROUT , WALL STABILIZATION 250.0 CUYD	\$ _____	\$ _____
30302-1000	DITCH RECONDITIONING 15,000.0 LNFT	\$ _____	\$ _____
30503-0000	AGGREGATE-TOPSOIL COURSE 2,337.0 CUYD	\$ _____	\$ _____
30802-2000	ROADWAY AGGREGATE, METHOD 2 2,100.00 TON	\$ _____	\$ _____
31001-0000	RECYCLED AGGREGATE BASE - 5" depth 17,560 SQYD	\$ _____	\$ _____
40101-1000	SUPERPAVE PAVEMENT, 3/4-INCH NOMINAL MAXIMUM SIZE AGGREGATE, 0.3 TO <3 MILLION ESAL 12,616.00 TON	\$ _____	\$ _____
40105-3000	ANTISTRIP ADDITIVE, TYPE 3 126.00 TON	\$ _____	\$ _____
40401-0000	MINOR HOT ASPHALT CONCRETE 144.00 TON	\$ _____	\$ _____
40910-0200	SURFACE TREATMENT, DESIGNATION 1B - Traffic Island 1,750 SQYD	\$ _____	\$ _____
41101-1000	PRIME COAT, GRADE CMS-2 11.00 TON	\$ _____	\$ _____
41105-0000	BLOTTER 618.00 TON	\$ _____	\$ _____

Bid Schedule A

Project: WA PRA MORA 10(11)  
SR 123 PHASE II AND SR410



Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
41301-0800	ASPHALT PAVEMENT MILLING, 3-INCH DEPTH 18,200 SQYD	\$ _____	\$ _____
41602-2000	CONTINUOUS COLD RECYCLED ASPHALT BASE COURSE TYPE B (3" depth) 124,600 SQYD	\$ _____	\$ _____
41605-4000	EMULSIFIED BINDER AGENT GRADE CMS-2S 304.00 TON	\$ _____	\$ _____
41610-1000	FOG SEAL GRADE CSS-1, CSS-1H, SS-1 OR SS-1H 33.00 TON	\$ _____	\$ _____
41615-0000	QUICKLIME 203.00 TON	\$ _____	\$ _____
56506-0000	CORING/PRESSURE GROUTING 2,040.0 LNFT	\$ _____	\$ _____
60101-0000	CONCRETE - Wall repair 12.0 CUYD	\$ _____	\$ _____
60201-0600	18-INCH PIPE CULVERT 56.0 LNFT	\$ _____	\$ _____
60201-0800	24-INCH PIPE CULVERT 28.0 LNFT	\$ _____	\$ _____
60201-1000	36-INCH PIPE CULVERT 10.0 LNFT	\$ _____	\$ _____
60704-0000	CLEANING CULVERT IN PLACE 89 EACH	\$ _____	\$ _____
60901-4450	CURB, STONE, TYPE 1, 24-INCH DEPTH 260.0 LNFT	\$ _____	\$ _____

Bid Schedule A

Project: WA PRA MORA 10(11)  
SR 123 PHASE II AND SR410



Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
61001-0000	HORIZONTAL DRAIN PIPE (DRILLED HOLE)		
	390.0		
	LNFT	\$ _____	\$ _____
61501-0100	SIDEWALK, CONCRETE		
	110		
	SQYD	\$ _____	\$ _____
61501-0200	SIDEWALK, COLORED CONCRETE		
	217		
	SQYD	\$ _____	\$ _____
61701-3900	GUARDRAIL SYSTEM SBTA		
	600.0		
	LNFT	\$ _____	\$ _____
62010-1000	STONE MASONRY GUARDWALL (RANDOM RUBBLE CAVITY)		
	23.0		
	LNFT	\$ _____	\$ _____
62011-0300	STONE MASONRY HEADWALL FOR 18-INCH PIPE CULVERT		
	7		
	EACH	\$ _____	\$ _____
62011-0500	STONE MASONRY HEADWALL FOR 24-INCH PIPE CULVERT		
	1		
	EACH	\$ _____	\$ _____
62013-2000	STONE MASONRY WALL (GUARDWALL REPAIR)		
	100		
	SQYD	\$ _____	\$ _____
62013-2000	STONE MASONRY WALL (RETAINING WALL REPAIR)		
	10		
	SQYD	\$ _____	\$ _____
62025-1000	REMOVE AND RESET STONE MASONRY (SIGN BASE)		
	2.5		
	CUYD	\$ _____	\$ _____
62027-0000	REMOVE AND RESET STONE MASONRY CURB		
	120.0		
	LNFT	\$ _____	\$ _____
62027-1000	REMOVE AND RESET STONE MASONRY GUARDWALL (ASHLAR)		
	30.0		
	LNFT	\$ _____	\$ _____

Bid Schedule A

Project: WA PRA MORA 10(11)  
SR 123 PHASE II AND SR410



Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
62031-0000	REPOINT STONE MASONRY		
	400.0		
	SQFT	\$ _____	\$ _____
62035-0000	CLEAN STONE MASONRY SURFACES (CULVERT HEADWALLS)		
	120		
	SQYD	\$ _____	\$ _____
62201-0250	DUMP TRUCK, 10 CUBIC YARD MINIMUM CAPACITY		
	100		
	HOUR	\$ _____	\$ _____
62201-0350	BACKHOE		
	150		
	HOUR	\$ _____	\$ _____
62301-0000	GENERAL LABOR		
	200		
	HOUR	\$ _____	\$ _____
62401-0300	FURNISHING AND PLACING TOPSOIL, 4-INCH DEPTH		
	8,053		
	SQYD	\$ _____	\$ _____
62511-2000	SEEDING, HYDRAULIC METHOD		
	26,400		
	SQYD	\$ _____	\$ _____
62516-2000	MULCHING, HYDRAULIC METHOD		
	26,400		
	SQYD	\$ _____	\$ _____
62542-3000	SEEDING SUPPLEMENTS, FERTILIZER		
	4,600.0		
	LB	\$ _____	\$ _____
63302-0000	SIGN SYSTEM		
	48.5		
	SQFT	\$ _____	\$ _____
63308-3000	OBJECT MARKER, TYPE 3		
	4		
	EACH	\$ _____	\$ _____
63313-0000	RUMBLE STRIP - TRAFFIC ISLAND		
	650.0		
	LNFT	\$ _____	\$ _____

Bid Schedule A

Project: WA PRA MORA 10(11)  
SR 123 PHASE II AND SR410



Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
63313-0000	RUMBLE STRIP - TRAVEL LANE		
	81.0		
	LNFT	\$ _____	\$ _____
63316-1000	REMOVE AND RESET SIGN		
	4		
	EACH	\$ _____	\$ _____
63318-1000	SNOWPOLE HOLDER		
	7		
	EACH	\$ _____	\$ _____
63401-0300	PAVEMENT MARKINGS, TYPE B, SOLID YELLOW		
	40,000		
	LNFT	\$ _____	\$ _____
63401-0300	PAVEMENT MARKINGS, TYPE B, SOLID WHITE		
	77,400		
	LNFT	\$ _____	\$ _____
63401-0400	PAVEMENT MARKINGS, TYPE B, BROKEN YELLOW		
	19,400		
	LNFT	\$ _____	\$ _____
63401-0400	PAVEMENT MARKINGS, TYPE B, BROKEN WHITE		
	4,000		
	LNFT	\$ _____	\$ _____
63405-0850	PAVEMENT MARKINGS, TYPE B, ACCESSIBILITY SYMBOL		
	1		
	EACH	\$ _____	\$ _____
63502-0400	TEMPORARY TRAFFIC CONTROL, BARRICADE TYPE 1		
	20		
	EACH	\$ _____	\$ _____
63502-0600	TEMPORARY TRAFFIC CONTROL, BARRICADE TYPE 3		
	8		
	EACH	\$ _____	\$ _____
63502-1250	TEMPORARY TRAFFIC CONTROL, TUBULAR MARKER, TYPE 42-INCH		
	200		
	EACH	\$ _____	\$ _____
63502-1500	TEMPORARY TRAFFIC CONTROL, WARNING LIGHT TYPE A		
	20		
	EACH	\$ _____	\$ _____

Bid Schedule A

Project: WA PRA MORA 10(11)  
SR 123 PHASE II AND SR410



Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
63502-1600	TEMPORARY TRAFFIC CONTROL, WARNING LIGHT TYPE B		
	20		
	EACH	\$ _____	\$ _____
63503-1000	TEMPORARY TRAFFIC CONTROL, PLASTIC FENCE		
	2,500.0		
	LNFT	\$ _____	\$ _____
63504-1000	TEMPORARY TRAFFIC CONTROL, CONSTRUCTION SIGN		
	949.8		
	SQFT	\$ _____	\$ _____
63506-0600	TEMPORARY TRAFFIC CONTROL, PILOT CAR		
	720		
	HOUR	\$ _____	\$ _____
63507-0700	TEMPORARY TRAFFIC CONTROL, TRAFFIC AND SAFETY SUPERVISOR		
	200		
	DAY	\$ _____	\$ _____
63509-1000	TEMPORARY TRAFFIC CONTROL, FLAGGER		
	6,000		
	FIX HR RATE	48.00	288,000.00

**TOTAL**      \$ \_\_\_\_\_

Submitted by: \_\_\_\_\_

Name of Bidder

Bid Schedule A

Project:      WA PRA MORA 10(11)  
                 SR 123 PHASE II AND SR410



## SOLICITATION PROVISIONS

### A. Provisions Incorporated by Reference

#### 52.252-1 Solicitation Provisions Incorporated by Reference

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available; phone (360) 619-7520 and FAX (360) 619-7932. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this site: [www.arnet.gov/far/](http://www.arnet.gov/far/).

#### I. Representations, Certifications and Other Statements of Offeror (by reference)

- 52.203-11 Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions (Sep 2007)
- 52.222-23 Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity for Construction (Feb 1999)
  - (b) Goals for minority participation for each trade 6.2%  
Goals for female participation for each trade 6.9%
  - (e) As used in this Notice, and in any contract resulting from this solicitation, the "covered area" is Pierce County, Washington.
- 52.223-4 Recovered Material Certification (Oct 1997)

#### II. Instructions, Conditions and Notices to Offeror (by reference)

- 52.204-6 Data Universal Numbering System (DUNS) Number (Oct 2003)
- 52.214-3 Amendments to Invitations for Bids (Dec 1989)
- 52.214-4 False Statements in Bids (Apr 1984)
- 52.214-5 Submission of Bids (Mar 1997)
- 52.214-6 Explanation to Prospective Bidders (Apr 1984)
- 52.214-7 Late Submissions, Modifications, and Withdrawals of Bids (Nov 1999)
- 52.214-18 Preparation of Bids - Construction (Apr 1984)
- 52.214-19 Contract Award - Sealed Bidding - Construction (Aug 1996)
- 52.214-34 Submission of Offers in the English Language (Apr 1991)
- 52.214-35 Submission of Offers in U.S. Currency (Apr 1991)
- 52.236-27 Site Visit (Construction) (Feb 1995)  
Prospective offerors were encouraged by letter of October 2, 2007 to inspect the site prior to onset of adverse weather conditions. Currently, the site may not be accessible. There will be no government arranged site visits.



## B. Full Text Provisions

### I. Representations, Certifications & Other Statements of Bidders (full text)

#### Completing FAR provision 52.204-8 Annual Representation and Certifications.

- This solicitation is issued under NAICS 237310 – Highway, Street & Bridge Construction with a small business size standard of \$31 million. If your average annual gross receipts for the past 3 years are above \$31.0 million you are a large business for this solicitation. If they are below \$31.0 million you are a small business. Please complete the certification listed in paragraph (b).
- Your small business information is pulled into ORCA from the Central Contractor Registration (CCR). Please include NAICS 237310 in the Central Contractor Registration (CCR) at <http://www.ccr.gov/>. Please note that if you are currently using a NAICS code beginning in 234, you are using an outdated code. Please update your files to 237310 – Highway, Street & Bridge Construction.
- Before submitting bids, please ensure you have completed your annual representations and certifications electronically at the ORCA website, <http://orca.bpn.gov>.

#### 52.204-8 Annual Representation and Certifications (Jan 2006)

(a) (1) The North American Industry Classification (NAICS) code for this solicitation is **237310 – Highway, Street & Bridge construction** *[insert NAICS code]*.

(2) The small business size standard is **\$31 million** *[insert size standard]*.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) (1) If the clause at 52.204-7, Central Contractor Registration, is included in this solicitation, paragraph (c) of this provision applies.

(2) If the clause at 52.204-7 is not included in this solicitation, and the offeror is currently registered in CCR, and has completed the ORCA electronically, the offeror may choose to use paragraph (c) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The offeror shall indicate which option applies by checking one of the following boxes:

☐ (i) Paragraph (c) applies.

☐ (ii) Paragraph (c) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(c) The offeror has completed the annual representations and certifications electronically via the **Online Representations and Certifications Application (ORCA)** website at <http://orca.bpn.gov>. After reviewing the ORCA database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); **except for the changes identified below [offeror to insert changes, identifying change by clause number, title, date]**. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.



Far Clause #	Title	Date	Change
<u>52.219-1</u>	<u>Small Business Program Representations</u>		<u>Under NAICS Code 237310 the offeror represents as part of its offer that it ( ) is, ( ) is not a small business.</u>

Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on ORCA.

#### **52.225-10 Notice of Buy American Act Requirement—Construction Materials (May 2002)**

(a) *Definitions.* “Construction material,” “domestic construction material,” and “foreign construction material,” as used in this provision, are defined in the clause of this solicitation entitled “Buy American Act—Construction Materials” (Federal Acquisition Regulation (FAR) clause 52.225-9).

(b) *Requests for determinations of inapplicability.* An offeror requesting a determination regarding the inapplicability of the Buy American Act should submit the request to the Contracting Officer in time to allow a determination before submission of offers. The offeror shall include the information and applicable supporting data required by paragraphs (c) and (d) of the clause at FAR 52.225-9 in the request. If an offeror has not requested a determination regarding the inapplicability of the Buy American Act before submitting its offer, or has not received a response to a previous request, the offeror shall include the information and supporting data in the offer.

(c) Evaluation of offers.

(1) The Government will evaluate an offer requesting exception to the requirements of the Buy American Act, based on claimed unreasonable cost of domestic construction material, by adding to the offered price the appropriate percentage of the cost of such foreign construction material, as specified in paragraph (b)(3)(i) of the clause at FAR 52.225-9.

(2) If evaluation results in a tie between an offeror that requested the substitution of foreign construction material based on unreasonable cost and an offeror that did not request an exception, the Contracting Officer will award to the offeror that did not request an exception based on unreasonable cost.

(d) Alternate offers.

(1) When an offer includes foreign construction material not listed by the Government in this solicitation in paragraph (b)(2) of the clause at FAR 52.225-9, the offeror also may submit an alternate offer based on use of equivalent domestic construction material.

(2) If an alternate offer is submitted, the offeror shall submit a separate Standard Form 1442 for the alternate offer, and a separate price comparison table prepared in accordance with paragraphs (c) and (d) of the clause at FAR 52.225-9 for the offer that is based on the use of any foreign construction material for which the Government has not yet determined an exception applies.

(3) If the Government determines that a particular exception requested in accordance with paragraph (c) of the clause at FAR 52.225-9 does not apply, the Government will evaluate only those offers based on use of the equivalent domestic construction material, and the offeror shall be required to furnish such domestic construction material. An offer based on use of the foreign construction material for which an exception was requested—

- (i) Will be rejected as nonresponsive if this acquisition is conducted by sealed bidding; or
- (ii) May be accepted if revised during negotiations



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## Use of Recovered Materials on Federal Lands Highway Projects

Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act (RCRA) of 1976, as amended (42 U.S.C. 6901 *et seq.*), requires Federal, State, and local procuring agencies using appropriated Federal funds to purchase items composed of the highest percentage of recovered materials practical. Use of recovered materials is strongly encouraged on Federal Lands Highway Projects. Highway construction items covered by the Environmental Protection Agency's *Comprehensive Guidelines for Procurement of Products Containing Recovered Materials* include fly ash, ground granulated blast furnace slag, traffic barricades, traffic cones, hydraulic mulch and compost for mulch.

Use of **fly ash** and ground **granulated blast furnace slag** and construction materials containing fly ash and ground granulated blast furnace slag on Federal Lands Highway Projects:

- It is the policy of the United States Government that fly ash and ground granulated blast furnace slag and materials containing fly ash and ground granulated blast furnace slag shall have maximum practicable opportunity for incorporation into its construction projects.
- The Contractor agrees to investigate the use of fly ash and ground granulated blast furnace slag and materials containing fly ash and ground granulated blast furnace slag to the fullest extent consistent with the efficient performance of this contract. Both the contractor and the subcontractors are urged to seek out suppliers of fly ash and ground granulated blast furnace slag, cement and concrete containing fly ash and ground granulated blast furnace slag and to solicit bids for these materials.
- Names of firms that supply fly ash and ground granulated blast furnace slag and materials containing fly ash and ground granulated blast furnace slag are available from the American Coal Ash Association and the National Slag Association.

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## THE FOLLOWING IS NOT A SOLICITATION PROVISION

### PARTNERING

A Partnership recognizes the Government and the Contractor are both responsible for and can affect the successful completion of this project. Partnering is a vehicle to ensure the partnership has structure and quality. It recognizes the strengths of each party and uses those strengths to identify and achieve shared goals. One of the primary objectives of Partnering is to facilitate the resolution of disputes in a timely, professional, and non-adversarial manner with the outcome focused on achieving those shared goals.

WFLHD supports the concepts and tenets of Partnering and as such is encouraging the Contractor and it's Subcontractors to establish a Partnering relationship on this project.

A formal Partnering meeting can help facilitate this relationship by helping to document the parties' common purpose and goals, and ensuring alignment. The goals are mutually agreed to and address effective and efficient performance within the scope of the contract.



Participation in a formal Partnering meeting is voluntary. Costs of implementing and maintaining the partnership would be agreed to by both parties and shared equally. These costs would be in addition to the contract amount.

Please indicate your desire to participate in a formal partnering meeting on this project.

☐ We would like to participate in a formal partnering meeting.

☐ We do not want to participate in a formal partnering meeting.

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**THE FOLLOWING ARE REQUESTED FOR REPORTING PURPOSES ONLY:**

1. Your firm's Dun & Bradstreet Number: \_\_\_\_\_

2. Your firm's U.S. Representative \_\_\_\_\_ (insert representative's name)

3. Your Firm's U.S. Representative District \_\_\_\_\_ (insert the district number)

(To obtain a Dun & Bradstreet number call 800.333.0505.)

(Access US Representative information on-line at [www.house.gov/writerep/](http://www.house.gov/writerep/). Enter your State and zip code to obtain your representative's name and district number.)

**II. Instructions, Conditions, and Notices to Bidders - (full text)**

**52.211-1 Availability of Specifications Listed in the GSA Index of Federal Specifications, Standards and Commercial Item Descriptions, FPMR Part 101-29 (Aug 1998)**

(a) The GSA Index of Federal Specifications, Standards and Commercial Item Descriptions, FPMR Part 101-29, and copies of specifications, standards, and commercial item descriptions cited in this solicitation may be obtained for a fee by submitting a request to—

GSA Federal Supply Service  
Specifications Section, Suite 8100  
470 East L'Enfant Plaza, SW  
Washington, DC 20407  
Telephone: (202) 619-8925  
Facsimile: (202) 619-8978.

(b) If the General Services Administration, Department of Agriculture, or Department of Veterans Affairs issued this solicitation, a single copy of specifications, standards, and commercial item descriptions cited in this solicitation may be obtained free of charge by submitting a request to the addressee in paragraph (a) of this provision. Additional copies will be issued for a fee.

**52.211-3 Availability of Specifications Not Listed in the GSA Index of Federal Specifications, Standards and Commercial Item Descriptions (Jun 1988)**

The specifications cited in this solicitation may be obtained from:

Solicitation Provisions

Project: WA PRA-MORA 10(11), SR 123 and SR 410-1c



*Activity:* Federal Highway Administration, Western Federal Lands Highway Division  
*Complete Address:* 610 East Fifth Street, Vancouver, WA 98661-3801  
*Telephone Number:* (360) 619-7520  
*Contact:* Contracts Section

The request should identify the solicitation number and the specification requested by date, title, and number, as cited in the solicitation.

**52.216-1 Type of Contract (Apr 1984)**

The Government contemplates award of a **firm fixed-price** contract resulting from this solicitation.

**52.222-5 Davis-Bacon Act—Secondary Site of the Work (July 2005)**

(a)(1) The offeror shall notify the Government if the offeror intends to perform work at any secondary site of the work, as defined in paragraph (a)(1)(ii) of the FAR clause at 52.222-6, Davis-Bacon Act, of this solicitation.

(2) If the offeror is unsure if a planned work site satisfies the criteria for a secondary site of the work, the offeror shall request a determination from the Contracting Officer.

(b)(1) If the wage determination provided by the Government for work at the primary site of the work is not applicable to the secondary site of the work, the offeror shall request a wage determination from the Contracting Officer.

(2) The due date for receipt of offers will not be extended as a result of an offeror's request for a wage determination for a secondary site of the work.

**52.233-2 Service of Protest (Sep 2006)**

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the Government Accountability Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from **Contracting Officer, Contracts Section, Federal Highway Administration, 610 East Fifth Street, Vancouver, WA 98661-3801.**

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.



## CONTRACT CLAUSES

### 1. Clauses Incorporated by Reference

Federal Acquisition Regulation (FAR) clauses begin with “52” and are available online at: [www.arnet.gov/far/](http://www.arnet.gov/far/). Transportation Acquisition Regulation (TAR) clauses begin with “1252” and are available online at: <http://www.dot.gov/ost/m60/tamtar/tar.htm>.

#### 52.252-2 Clauses Incorporated by Reference (Feb 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available; phone (360) 619-7520 and FAX (360) 619-7932. Also, you may access the full text of a clause electronically at this site: [www.arnet.gov/far/](http://www.arnet.gov/far/).

- 52.202-1 Definitions (Jul 2004)
- 52.203-3 Gratuities (Apr 1984)
- 52.203-5 Covenant Against Contingent Fees (Apr 1984)
- 52.203-6 Restrictions on Subcontractor Sales to the Government (Sep 2006)
- 52.203-7 Anti-Kickback Procedures (Jul 1995)
- 52.203-8 Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity (Jan 1997)
- 52.203-10 Price or Fee Adjustment for Illegal or Improper Activity (Jan 1997)
- 52.203-12 Limitation on Payments to Influence Certain Federal Transactions (Sep 2007)
- 52.203-13 Contractor Code of Business Ethics and Conduct (Dec 2007)
- 52.204-4 Printed or Copied Double-Sided on Recycled Paper (Aug 2000)
- 52.204-7 Central Contractor Registration (Jul 2006)
- 52.209-6 Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (Sep 2006)
- 52.211-12 Liquidated Damages-Construction (Sep 2000)
  - (a) **If the Contractor fails to complete the work within the time specified in the contract, the Contractor shall pay liquidated damages to the Government in the amount of: See Special Contract Requirements, Subsection 108.04.**
- 52.211-18 Variation in Estimated Quantity (Apr 1984)
- 52.214-26 Audit and Records - Sealed Bidding (Oct 1997)
- 52.214-27 Price Reduction for Defective Cost or Pricing Data-Modifications-Sealed Bidding (Oct 1997)
- 52.214-28 Subcontractor Cost or Pricing Data-Modifications-Sealed Bidding (Oct 1997)
- 52.219-4 Notice of Price Evaluation Preference for HUBZone Small Business Concerns (Jul 2005)
  - (See note in FAR Clause 52.236-1.) (See special contract requirement 108.02A, which incorporates increased minimum work requirements.)
  - (c) **Waiver of evaluation preference.** A HUBZone small business concern may elect to waive the evaluation preference, in which case the factor will be added to its offer for evaluation purposes. The agreements in paragraph (d) of this clause do not apply if the offeror has waived the evaluation preference.
  - ( ) **Offeror elects to waive the evaluation preference.**
- 52.219-8 Utilization of Small Business Concerns (May 2004)
- 52.219-9 Small Business Subcontracting Plan (Nov 2007) - Alternate 1 (Oct 2001)
- 52.219-16 Liquidated Damages-Subcontracting Plan (Jan 1999)



52.222-3	Convict Labor (Jun 2003)
52.222-4	Contract Work Hours and Safety Standards Act-Overtime Compensation (Jul 2005)
52.222-6	Davis-Bacon Act (Jul 2005)
52.222-7	Withholding of Funds (Feb 1988)
52.222-8	Payrolls and Basic Records (Feb 1988)
52.222-9	Apprentices and Trainees (Jul 2005)
52.222-10	Compliance with Copeland Act Requirements (Feb 1988)
52.222-11	Subcontracts (Labor Standards) (Jul 2005)
52.222-12	Contract Termination-Debarment (Feb 1988)
52.222-13	Compliance with Davis-Bacon and Related Act Regulations (Feb 1988)
52.222-14	Disputes Concerning Labor Standards (Feb 1988)
52.222-15	Certification of Eligibility (Feb 1988)
52.222-21	Prohibition of Segregated Facilities (Feb 1999)
52.222-26	Equal Opportunity (Mar 2007)
52.222-27	Affirmative Action Compliance Requirements for Construction (Feb 1999)
52.222-35	Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Sep 2006)
52.222-36	Affirmative Action for Workers with Disabilities (Jun 1998)
52.222-37	Employment Reports on Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Sep 2006)
52.222-50	Combating Trafficking in Persons (Aug 2007)
52.223-3	Hazardous Material Identification and Material Safety Data (Jan 1997) Alternate I (July 1995)
52.223-6	Drug-Free Workplace (May 2001)
52.223-14	Toxic Chemical Release Reporting (Aug 2003)
52.225-13	Restrictions on Certain Foreign Purchases (Feb 2006)
52.227-1	Authorization and Consent (Dec 2007)
52.227-2	Notice and Assistance Regarding Patent and Copyright Infringement (Dec 2007)
52.227-4	Patent Indemnity-Construction Contracts (Dec 2007)
52.228-1	Bid Guarantee (Sep 1996)
	(c) The amount of the bid guarantee shall be <u>20</u> percent of the bid price or <u>\$3 million</u> , whichever is less.
	(d) ...furnish execute bonds within <u>10</u> days after receipt of the forms.....
52.228-2	Additional Bond Security (Oct 1997)
52.228-11	Pledges of Assets (Feb 1992)
52.228-12	Prospective Subcontractor Requests for Bonds (Oct 1995)
52.228-14	Irrevocable Letter of Credit (Dec 1999)
52.228-15	Performance and Payment Bonds-Construction (Nov 2006)
52.229-3	Federal, State, and Local Taxes (Apr 2003)
52.232-5	Payments under Fixed-Price Construction Contracts (Sep 2002)
52.232-17	Interest (Jun 1996)
52.232-23	Assignment of Claims (Jan 1986)
52.232-27	Prompt Payment for Construction Contracts (Sep 2005)
52.232-34	Payment by Electronic Funds Transfer – Other than Central Contractor Registration (May 1999)
52.232-35	Designation of Office for Government Receipt of Electronic Funds Transfer Information (May 1999)
	Name: <b>Contracts Section</b>
	Mailing Address: <b>Federal Highway Administration, 610 East Fifth Street, Vancouver, WA 98661-3801</b>
	Telephone Number: <b>360.619.7520</b>
	Person to Contact: <b>Julee McTaggart</b>



Electronic Address: [contracts@mail.wfl.fhwa.dot.gov](mailto:contracts@mail.wfl.fhwa.dot.gov)

- 52.233-1 Disputes (July 2002) - Alternate 1 (Dec 1991)
- 52.233-3 Protest After Award (Aug 1996)
- 52.233-4 Applicable Law for Breach of Contract Claim (Oct 2004)
- 52.236-1 Performance of Work by the Contractor (Apr 1984)  
(NOTE: This clause does not apply when award is made to other than the low bidder after applying the price evaluation preference for HUBZone small business concerns under FAR clause 52.219-4, in which case the percentage at SCR 108.02A will control.)  
**The Contractor shall perform on the site, and with its own organization, work equivalent to at least fifty (50) percent of the total amount of work to be performed under the contract.**
- 52.236-2 Differing Site Conditions (Apr 1984)
- 52.236-3 Site Investigation and Conditions Affecting the Work (Apr 1984)
- 52.236-5 Material and Workmanship (Apr 1984)
- 52.236-6 Superintendence by the Contractor (Apr 1984)
- 52.236-7 Permits and Responsibilities (Nov 1991)
- 52.236-8 Other Contracts (Apr 1984)
- 52.236-9 Protection of Existing Vegetation, Structures, Equipment, Utilities and Improvements (Apr 1984)
- 52.236-10 Operations and Storage Areas (Apr 1984)
- 52.236-11 Use and Possession Prior to Completion (Apr 1984)
- 52.236-12 Cleaning up (Apr 1984)
- 52.236-13 Accident Prevention (Nov 1991) - Alternate 1 (Nov 1991)
- 52.236-15 Schedules for Construction Contracts (Apr 1984)
- 52.236-17 Layout of Work (Apr 1984)
- 52.236-21 Specifications and Drawings for Construction (Feb 1997) Alt II (Apr 1984)
- 52.236-26 Preconstruction Conference (Feb 1995)
- 52.242-13 Bankruptcy (Jul 1995)
- 52.242-14 Suspension of Work (Apr 1984)
- 52.243-4 Changes (June 2007)
- 52.244-2 Subcontracts (June 2007)
- 52.244-6 Subcontracts for Commercial Items (Sep 2006)
- 52.245-1 Government Property (June 2007)
- 52.245-9 Uses and Charges (June 2007)
- 52.246-12 Inspection of Construction (Aug 1996)
- 52.247-64 Preference for Privately Owned U.S. Flag Commercial Vessels (Feb 2006)
- 52.248-3 Value Engineering-Construction (Sep 2006) Alternate 1 (Apr 1984)
- 52.249-2 Termination for Convenience of the Government (Fixed Price) (May 2004)-- Alternate 1 (Sep 1996)
- 52.249-10 Default (Fixed-Price Construction) (Apr 1984)
- 52.253-1 Computer Generated Forms (Jan 1991)
- 1252.211-70 Index for Specifications (Apr 2005)
- 1252.223-71 Accident and fire Reporting (Apr 2005)
- 1252.223-73 Seat Belt Use Policies and Programs (Apr 2005)
- 1252.228-73 Notification of Miller Act Payment Bond Protection (Apr 2005)  
**(c) The surety which has provided the payment bond under the prime contract is:**  
\_\_\_\_\_(Name)  
\_\_\_\_\_(Street Address)  
\_\_\_\_\_(City, State, Zip Code)  
\_\_\_\_\_(Contact & Telephone number)
- 1252.242-73 Contracting Officer's Technical Representative (Oct 1994)
- 1252.245-70 Government Property Reports (Oct 1994)



## 2. Full Text Clauses

### 52.204-1 Approval of Contract (Dec 1989)

This contract is subject to the written approval of the Western Federal Lands' Division Engineer (or delegate) or one level above the Contracting Officer, and shall not be binding until so approved.

### 52.211-10 Commencement, Prosecution, and Completion of Work (Apr 1984) Alternate I (Apr 1984)

The Contractor shall be required to (a) commence work under this contract within 10 calendar days after the date the Contractor receives the notice to proceed, (b) prosecute the work diligently, and (c) complete the entire work ready for use not later than **October 7, 2008** subject to such extensions as may be authorized. The time stated for completion shall include final cleanup of the premises.

The completion date is based on the assumption that the successful offeror will receive the notice to proceed by **June 6, 2008**. The completion date will be extended by the number of calendar days after the above date that the contractor receives the notice to proceed, except to the extent that the delay in issuance of the notice to proceed results from the failure of the contractor to execute the contract and give the required performance and payment bonds within the time specified in the offer.

### 52.219-28 Post-Award Small Business Program Re-Representation (June 2007)

(a) *Definitions.* As used in this clause –

“Long term contract” means a contract of more than five years in duration, including options. However, the term does not include contracts that exceed five years in duration because the period of performance has been extended for a cumulative period not to exceed six months under the clause 52.217-8, Option to Extend Services, or other appropriate authority.

“Small business concern” means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR part 121 and the size standard in paragraph (c) of this clause.

(b) If the Contractor represented that it was a small business concern prior to award of this contract, the Contractor shall re-represent its size status according to paragraph (e) of this clause or, if applicable, paragraph (g) of this clause, upon the occurrence of any of the following:

(1) Within 30 days after execution of a novation agreement or within 30 days after modification of the contract to include this clause, if the novation agreement was executed prior to inclusion of this clause in the contract.

(2) Within 30 days after a merger or acquisition that does not require a novation or within 30 days after modification of the contract to include this clause, if the merger or acquisition occurred prior to inclusion of this clause in the contract.

(3) For long-term contracts ---

(i) Within 60 to 120 days prior to the end of the fifth year of the contract; and

(ii) Within 60 to 120 days prior to the exercise date specified in the contract for any option thereafter.

(c) The Contractor shall re-represent its size status in accordance with the size standard in effect at the time of this re-representation that corresponds to the North American Industry Classification System (NAICS) code assigned to this contract. The small business size standard corresponding to this NAICS code can be found at <http://www.sba.gov/services/contractingopportunities/sizestandardsttopics/>.



(d) The small business size standard for a Contractor providing a product which it does not manufacture itself, for a contract other than a construction or service contract, is 500 employees.

(e) Except as provided in paragraph (g) of this clause, the Contractor shall make the re-representation required by paragraph (b) of this clause by validating or updating all its representations in the Online Representations and Certifications Application and its data in the Central Contractor Registration, as necessary, to ensure they reflect current status. The Contractor shall notify the contracting office by email, or otherwise in writing, that the data have been validated or updated, and provide the date of the validation or update.

(f) If the Contractor represented that it was other than a small business concern prior to award of this contract, the Contractor may, but is not required to, take the actions required by paragraphs (e) or (g) of this clause,

(g) If the Contractor does not have representations and certifications in ORCA, or does not have a representation in ORCA for the NAICS code applicable to this contract, the Contractor is required to complete the following re-representation and submit it to the contracting office, along with the contract number and the date on which the re-representation was completed:

(NOTE: Do not complete this clause at time of initial offer/bid.)

The Contractor represents that it ☐ is ☐ is **not** a small business concern under NAICS Code 237310 (Highway/Bridge construction) assigned to contract number \_\_\_\_\_.

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

[Contractor to sign and date and insert authorized signer's name and title.]

## **52.222-39 Notification of Employee Rights Concerning Payment of Union Dues or Fees (Dec 2004)**

(a) *Definition.* As used in this clause—

“United States” means the 50 States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, and Wake Island.

(b) Except as provided in paragraph (e) of this clause, during the term of this contract, the Contractor shall post a notice, in the form of a poster, informing employees of their rights concerning union membership and payment of union dues and fees, in conspicuous places in and about all its plants and offices, including all places where notices to employees are customarily posted. The notice shall include the following information (except that the information pertaining to National Labor Relations Board shall not be included in notices posted in the plants or offices of carriers subject to the Railway Labor Act, as amended (45 U.S.C. 151-188)).

### **Notice to Employees**

Under Federal law, employees cannot be required to join a union or maintain membership in a union in order to retain their jobs. Under certain conditions, the law permits a union and an employer to enter into a union-security agreement requiring employees to pay uniform periodic dues and initiation fees. However, employees who are not union members can object to the use of their payments for certain purposes and can only be required to pay their share of union costs relating to collective bargaining, contract administration, and grievance adjustment.

If you do not want to pay that portion of dues or fees used to support activities not related to collective bargaining, contract administration, or grievance adjustment, you are entitled to an appropriate reduction in your payment. If you believe that you have been required to pay dues or fees used in part to support activities not related to collective bargaining, contract administration, or grievance adjustment, you may be entitled to a refund and to an appropriate reduction in future payments.



For further information concerning your rights, you may wish to contact the National Labor Relations Board (NLRB) either at one of its Regional offices or at the following address or toll free number:

National Labor Relations Board  
Division of Information  
1099 14th Street, N.W.  
Washington, DC 20570  
1-866-667-6572  
1-866-316-6572 (TTY)

To locate the nearest NLRB office, see NLRB's website at <http://www.nlrb.gov>.

(c) The Contractor shall comply with all provisions of Executive Order 13201 of February 17, 2001, and related implementing regulations at 29 CFR Part 470, and orders of the Secretary of Labor.

(d) In the event that the Contractor does not comply with any of the requirements set forth in paragraphs (b), (c), or (g), the Secretary may direct that this contract be cancelled, terminated, or suspended in whole or in part, and declare the Contractor ineligible for further Government contracts in accordance with procedures at 29 CFR Part 470, Subpart B—Compliance Evaluations, Complaint Investigations and Enforcement Procedures. Such other sanctions or remedies may be imposed as are provided by 29 CFR Part 470, which implements Executive Order 13201, or as are otherwise provided by law.

(e) The requirement to post the employee notice in paragraph (b) does not apply to—

(1) Contractors and subcontractors that employ fewer than 15 persons;

(2) Contractor establishments or construction work sites where no union has been formally recognized by the Contractor or certified as the exclusive bargaining representative of the Contractor's employees;

(3) Contractor establishments or construction work sites located in a jurisdiction named in the definition of the United States in which the law of that jurisdiction forbids enforcement of union-security agreements;

(4) Contractor facilities where upon the written request of the Contractor, the Department of Labor Deputy Assistant Secretary for Labor-Management Programs has waived the posting requirements with respect to any of the Contractor's facilities if the Deputy Assistant Secretary finds that the Contractor has demonstrated that—

(i) The facility is in all respects separate and distinct from activities of the Contractor related to the performance of a contract; and

(ii) Such a waiver will not interfere with or impede the effectuation of the Executive order; or

(5) Work outside the United States that does not involve the recruitment or employment of workers within the United States.

(f) The Department of Labor publishes the official employee notice in two variations; one for contractors covered by the Railway Labor Act and a second for all other contractors. The Contractor shall—

(1) Obtain the required employee notice poster from the Division of Interpretations and Standards, Office of Labor-Management Standards, U.S. Department of Labor, 200 Constitution Avenue, NW, Room N-5605, Washington, DC 20210, or from any field office of the Department's Office of Labor-Management Standards or Office of Federal Contract Compliance Programs;

(2) Download a copy of the poster from the Office of Labor-Management Standards website at <http://www.olms.dol.gov>; or

(3) Reproduce and use exact duplicate copies of the Department of Labor's official poster.

(g) The Contractor shall include the substance of this clause in every subcontract or purchase order that exceeds the simplified acquisition threshold, entered into in connection with this contract, unless



exempted by the Department of Labor Deputy Assistant Secretary for Labor-Management Programs on account of special circumstances in the national interest under authority of 29 CFR 470.3(c). For indefinite quantity subcontracts, the Contractor shall include the substance of this clause if the value of orders in any calendar year of the subcontract is expected to exceed the simplified acquisition threshold. Pursuant to 29 CFR Part 470, Subpart B—Compliance Evaluations, Complaint Investigations and Enforcement Procedures, the Secretary of Labor may direct the Contractor to take such action in the enforcement of these regulations, including the imposition of sanctions for noncompliance with respect to any such subcontract or purchase order. If the Contractor becomes involved in litigation with a subcontractor or vendor, or is threatened with such involvement, as a result of such direction, the Contractor may request the United States, through the Secretary of Labor, to enter into such litigation to protect the interests of the United States.

**52.223-9 Estimate of Percentage of Recovered Material Content for EPA-Designated Products (Aug 2000)**

(a) *Definitions.* As used in this clause—

“Postconsumer material” means a material or finished product that has served its intended use and has been discarded for disposal or recovery, having completed its life as a consumer item. Postconsumer material is a part of the broader category of “recovered material.”

“Recovered material” means waste materials and by-products recovered or diverted from solid waste, but the term does not include those materials and by-products generated from, and commonly reused within, an original manufacturing process.

(b) The Contractor, on completion of this contract, shall—

(1) Estimate the percentage of the total recovered material used in contract performance, including, if applicable, the percentage of postconsumer material content; and

(2) Submit this estimate to **Contracting Officer, Western Federal Lands Highway Division, 610 East Fifth Street, Vancouver, WA 98661-3801**

**52.225-9 Buy American Act—Construction Materials (Jan 2005)**

(a) *Definitions.* As used in this clause—

“Component” means an article, material, or supply incorporated directly into a construction material.

“Construction material” means an article, material, or supply brought to the construction site by the Contractor or a subcontractor for incorporation into the building or work. The term also includes an item brought to the site preassembled from articles, materials, or supplies. However, emergency life safety systems, such as emergency lighting, fire alarm, and audio evacuation systems, that are discrete systems incorporated into a public building or work and that are produced as complete systems, are evaluated as a single and distinct construction material regardless of when or how the individual parts or components of those systems are delivered to the construction site. Materials purchased directly by the Government are supplies, not construction material.

“Cost of components” means—

(1) For components purchased by the Contractor, the acquisition cost, including transportation costs to the place of incorporation into the construction material (whether or not such costs are paid to a domestic firm), and any applicable duty (whether or not a duty-free entry certificate is issued); or

(2) For components manufactured by the Contractor, all costs associated with the manufacture of the component, including transportation costs as described in paragraph (1) of this definition, plus allocable overhead costs, but excluding profit. Cost of components does not include any costs associated with the manufacture of the construction material.

“Domestic construction material” means—

(1) An unmanufactured construction material mined or produced in the United States; or



(2) A construction material manufactured in the United States, if the cost of its components mined, produced, or manufactured in the United States exceeds 50 percent of the cost of all its components. Components of foreign origin of the same class or kind for which nonavailability determinations have been made are treated as domestic.

“Foreign construction material” means a construction material other than a domestic construction material.

“United States” means the 50 States, the District of Columbia, and outlying areas.

(b) Domestic preference.

(1) This clause implements the Buy American Act (41 U.S.C. 10a - 10d) by providing a preference for domestic construction material. The Contractor shall use only domestic construction material in performing this contract, except as provided in paragraphs (b)(2) and (b)(3) of this clause.

(2) This requirement does not apply to the construction material or components listed by the Government as follows:

None

*[Contracting Officer to list applicable excepted materials or indicate “none”]*

(3) The Contracting Officer may add other foreign construction material to the list in paragraph (b)(2) of this clause if the Government determines that—

(i) The cost of domestic construction material would be unreasonable. The cost of a particular domestic construction material subject to the requirements of the Buy American Act is unreasonable when the cost of such material exceeds the cost of foreign material by more than 6 percent;

(ii) The application of the restriction of the Buy American Act to a particular construction material would be impracticable or inconsistent with the public interest; or

(iii) The construction material is not mined, produced, or manufactured in the United States in sufficient and reasonably available commercial quantities of a satisfactory quality.

(c) Request for determination of inapplicability of the Buy American Act.

(1) (i) Any Contractor request to use foreign construction material in accordance with paragraph (b)(3) of this clause shall include adequate information for Government evaluation of the request, including—

(A) A description of the foreign and domestic construction materials;

(B) Unit of measure;

(C) Quantity;

(D) Price;

(E) Time of delivery or availability;

(F) Location of the construction project;

(G) Name and address of the proposed supplier; and

(H) A detailed justification of the reason for use of foreign construction materials cited in accordance with paragraph (b)(3) of this clause.

(ii) A request based on unreasonable cost shall include a reasonable survey of the market and a completed price comparison table in the format in paragraph (d) of this clause.

(iii) The price of construction material shall include all delivery costs to the construction site and any applicable duty (whether or not a duty-free certificate may be issued).

(iv) Any Contractor request for a determination submitted after contract award shall explain why the Contractor could not reasonably foresee the need for such determination and could not have requested the determination before contract award. If the Contractor does not submit a satisfactory explanation, the Contracting Officer need not make a determination.

(2) If the Government determines after contract award that an exception to the Buy American Act applies and the Contracting Officer and the Contractor negotiate adequate consideration, the Contracting Officer will modify the contract to allow use of the foreign construction material. However, when the basis for the exception is the unreasonable price of a domestic construction



material, adequate consideration is not less than the differential established in paragraph (b)(3)(i) of this clause.

(3) Unless the Government determines that an exception to the Buy American Act applies, use of foreign construction material is noncompliant with the Buy American Act.

(d) *Data*. To permit evaluation of requests under paragraph (c) of this clause based on unreasonable cost, the Contractor shall include the following information and any applicable supporting data based on the survey of suppliers:

<b>Foreign and Domestic Construction Materials Price Comparison</b>			
<u>Construction Material</u>	<u>Unit of Measure</u>	<u>Quantity</u>	<u>Price (Dollars)*</u>
Description			
<b>Item 1:</b>			
Foreign construction material	_____	_____	_____
Domestic construction material	_____	_____	_____
<b>Item 2:</b>			
Foreign construction material	_____	_____	_____
Domestic construction material	_____	_____	_____

*[List name, address, telephone number, and contact for suppliers surveyed. Attach copy of response; if oral, attach summary.]*

*[Include other applicable supporting information.]*

*[\* Include all delivery costs to the construction site and any applicable duty (whether or not a duty-free entry certificate is issued).]*

#### **52.236-4 Physical Data (Apr 1984)**

Data and information furnished or referred to below is for the Contractor's information. The Government shall not be responsible for any interpretation of or conclusion drawn from the data or information by the Contractor.

(a) The indications of physical conditions on the drawings and in the specifications are the result of site investigations by: N/A.

(b) Weather conditions: N/A.

(c) Transportation facilities: N/A.

(d) Geotechnical data, subsurface investigation information, and design data, consisting of the following, may be obtained upon request. Written requests are required and may be submitted to the Contracts Section at the above address, by FAX at (360) 619-7932, or by e-mail at [contracts@mail.wfl.fhwa.dot.gov](mailto:contracts@mail.wfl.fhwa.dot.gov).

(1) **Geotechnical Memorandum GM 02-08**, WA PRA-MORA 10(11), SR 123, ph-II Mount Rainier National Park



**RESERVED**



GENERAL DECISION: **WA20080001** 02/22/2008 WA1

Date: February 22, 2008

General Decision Number: **WA20080001** 02/22/2008

Superseded General Decision Number: WA20070001

State: Washington

Construction Types: Heavy (Heavy and Dredging) and Highway

Counties: Washington Statewide.

HEAVY AND HIGHWAY AND DREDGING CONSTRUCTION PROJECTS (Excludes  
D.O.E. Hanford Site in Benton and Franklin Counties)

Modification Number	Publication Date
0	02/08/2008
1	02/15/2008
2	02/22/2008

CARP0001-008 06/01/2007

	Rates	Fringes
<b>Carpenters:</b>		
COLUMBIA RIVER AREA -		
ADAMS, BENTON, COLUMBIA,		
DOUGLAS (EAST OF THE 120TH		
MERIDIAN), FERRY,		
FRANKLIN, GRANT, OKANOGAN		
(EAST OF THE 120TH		
MERIDIAN) AND WALLA WALLA		
COUNTIES		
GROUP 1:.....	\$ 25.68	9.30
GROUP 2:.....	\$ 27.18	9.30
GROUP 3:.....	\$ 25.95	9.30
GROUP 4:.....	\$ 25.68	9.30
GROUP 5:.....	\$ 59.40	9.30
GROUP 6:.....	\$ 28.70	9.30
GROUP 7:.....	\$ 29.70	9.30
GROUP 8:.....	\$ 26.95	9.30
GROUP 9:.....	\$ 32.70	9.30
SPOKANE AREA: ASOTIN,		
GARFIELD, LINCOLN, PEND		
OREILLE, SPOKANE, STEVENS		
AND WHITMAN COUNTIES		
GROUP 1:.....	\$ 25.01	9.30
GROUP 2:.....	\$ 26.51	9.30
GROUP 3:.....	\$ 25.27	9.30
GROUP 4:.....	\$ 25.01	9.30
GROUP 5:.....	\$ 58.04	9.30
GROUP 6:.....	\$ 28.02	9.30
GROUP 7:.....	\$ 29.02	9.30
GROUP 8:.....	\$ 26.27	9.30
GROUP 9:.....	\$ 32.02	9.30

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



CARPENTER & DIVER CLASSIFICATIONS:

GROUP 1: Carpenter; Burner-Welder; Rigger and Signaler; Insulators (all types), Acoustical, Drywall and Metal Studs, Metal Panels and Partitions; Floor Layer, Sander, Finisher and Astro Turf; Layout Carpenters; Form Builder; Rough Framers; Outside or Inside Finisher, including doors, windows, and jams; Sawfiler; Shingler (wood, composition) Solar, Fiberglass, Aluminum or Metal; Scaffold Erecting and Dismantling; Stationary Saw-Off Bearer; Wire, Wood and Metal Lather Applicator

GROUP 2: Millwright, machine erector

GROUP 3: Piledriver - includes driving, pulling, cutting, placing collars, setting, welding, or creosote treated material, on all piling

GROUP 4: Bridge, dock and wharf carpenters

GROUP 5: Diver Wet

GROUP 6: Diver Tender, Manifold Operator, ROV Operator

GROUP 7: Diver Standby, Bell/Vehicle or Submersible operator Not Under Pressure

GROUP 8: Assistant Tender, ROV Tender/Technician

GROUP 9: Manifold Operator-Mixed Gas

ZONE PAY:

ZONE 1	0-40 MILES	FREE
ZONE 2	41-65 MILES	\$2.25/PER HOUR
ZONE 3	66-100 MILES	\$3.25/PER HOUR
ZONE 4	OVER 100 MILES	\$4.75/PER HOUR

DISPATCH POINTS:

CARPENTERS/MILLWRIGHTS: PASCO (2819 W. SYLVESTER) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS/PILEDRIIVER: SPOKANE (127 E. AUGUSTA AVE.) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: WENATCHEE (27 N. CHELAN) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: COEUR D' ALENE (1839 N. GOVERNMENT WAY) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: MOSCOW (302 N. JACKSON) or Main Post Office of established residence of employee (Whichever is closest to

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



the worksite).

DEPTH PAY FOR DIVERS BELOW WATER SURFACE:

50-100 feet \$2.00 per foot  
101-150 feet \$3.00 per foot  
151-220 feet \$4.00 per foot  
221 feet and deeper \$5.00 per foot

PREMIUM PAY FOR DIVING IN ENCLOSURES WITH NO VERTICAL ASCENT:

0-25 feet Free  
26-300 feet \$1.00 per Foot

SATURATION DIVING:

The standby rate applies until saturation starts. The saturation diving rate applies when divers are under pressure continuously until work task and decompression are complete. the diver rate shall be paid for all saturation hours.

WORK IN COMBINATION OF CLASSIFICATIONS:

Employees working in any combination of classifications within the diving crew (except dive supervisor) in a shift are paid in the classification with the highest rate for that shift.

HAZMAT PROJECTS:

Anyone working on a HAZMAT job (task), where HAZMAT certification is required, shall be compensated at a premium, in addition to the classification working in as follows:

LEVEL D + \$.25 per hour - This is the lowest level of protection. No respirator is used and skin protection is minimal.

LEVEL C + \$.50 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B + \$.75 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit".

LEVEL A +\$1.00 per hour - This level utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line.

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CARP0003-006 06/01/2007

SOUTHWEST WASHINGTON: CLARK, COWLITZ, KLUCKITAT, LEWIS(Piledriver only), PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to Willapa Bay to the Pacific Ocean), SKAMANIA AND WAHAKIACUM COUNTIES and INCLUDES THE ENTIRE PENINSULA WEST OF WILLAPA BAY

SEE ZONE DESCRIPTION FOR CITIES BASE POINTS

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



## ZONE 1:

	Rates	Fringes
Carpenters:		
CARPENTERS; ACOUSTICAL.....	\$ 27.56	13.30
DIVERS TENDERS.....	\$ 30.28	13.30
DIVERS.....	\$ 68.84	13.30
DRYWALL.....	\$ 27.56	13.30
FLOOR LAYERS & FLOOR FINISHERS (the laying of all hardwood floors nailed and mastic set, parquet and wood-type tiles, and block floors, the sanding and finishing of floors, the preparation of old and new floors when the materials mentioned above are to be installed); INSULATORS (fiberglass and similar irritating materils.....	\$ 27.71	13.30
MILLWRIGHTS.....	\$ 28.04	13.30
PILEDRIVERS.....	\$ 28.04	13.30

## DEPTH PAY:

50 TO 100 FEET \$1.00 PER FOOT OVER 50 FEET  
 101 TO 150 FEET \$1.50 PER FOOT OVER 101 FEET  
 151 TO 200 FEET \$2.00 PER FOOT OVER 151 FEET

## Zone Differential (Add up Zone 1 rates):

Zone 2 - \$0.85  
 Zone 3 - 1.25  
 Zone 4 - 1.70  
 Zone 5 - 2.00  
 Zone 6 - 3.00

BASEPOINTS: ASTORIA, LONGVIEW, PORTLAND, THE DALLES, AND  
 VANCOUVER, (NOTE: All dispatches for Washington State  
 Counties: Cowlitz, Wahkiakum and Pacific shall be from  
 Longview Local #1707 and mileage shall be computed from  
 that point.)

ZONE 1: Projects located within 30 miles of the respective  
 city hall of the above mentioned cities  
 ZONE 2: Projects located more than 30 miles and less than 40  
 miles of the respective city of the above mentioned cities  
 ZONE 3: Projects located more than 40 miles and less than 50  
 miles of the respective city of the above mentioned cities  
 ZONE 4: Projects located more than 50 miles and less than 60  
 miles of the respective city of the above mentioned cities.  
 ZONE 5: Projects located more than 60 miles and less than 70  
 miles of the respective city of the above mentioned cities  
 ZONE 6: Projects located more than 70 miles of the respected  
 city of the above mentioned cities

## Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



CARP0770-003 06/01/2007

	Rates	Fringes
Carpenters:		
CENTRAL WASHINGTON:		
CHELAN, DOUGLAS (WEST OF		
THE 120TH MERIDIAN),		
KITTTITAS, OKANOGAN (WEST		
OF THE 120TH MERIDIAN) AND		
YAKIMA COUNTIES		
ACCOUSTICAL WORKERS.....	\$ 23.25	10.85
BRIDGE, DOCK AND WHARF		
CARPENTERS AND HEAVY &		
HIGHWAY.....	\$ 32.49	10.85
CARPENTERS AND DRYWALL		
APPLICATORS.....	\$ 23.25	10.85
CARPENTERS ON CREOSOTE		
MATERIAL.....	\$ 23.25	10.85
DIVERS TENDER.....	\$ 33.29	10.93
DIVERS.....	\$ 74.82	10.93
INSULATION APPLICATORS.....	\$ 23.25	10.85
MILLWRIGHT AND MACHINE		
ERECTORS.....	\$ 33.49	10.85
PILEDRIIVER, DRIVING,		
PULLING, CUTTING, PLACING		
COLLARS, SETTING, WELDING		
OR CRESOTE TREATED		
MATERIAL, ALL PILING.....	\$ 32.69	10.85
SAWFILERS, STATIONARY		
POWER SAW OPERATORS,		
FLOOR FINISHER, FLOOR		
LAYER, SHINGLER, FLOOR		
SANDER OPERATOR AND		
OPERATORS OF OTHER		
STATIONARY WOOD WORKING		
TOOLS.....	\$ 23.25	10.85

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - ALL  
CLASSIFICATIONS EXCEPT MILLWRIGHTS AND PILEDRIIVERS

Hourly Zone Pay shall be paid on jobs located outside of the  
free zone computed from the city center of the following  
listed cities:

Seattle	Olympia	Bellingham
Auburn	Bremerton	Anacortes
Renton	Shelton	Yakima
Aberdeen-Hoquiam	Tacoma	Wenatchee
Ellensburg	Everett	Port Angeles
Centralia	Mount Vernon	Sunnyside
Chelan	Pt. Townsend	

## Zone Pay:

0 -25 radius miles	Free
26-35 radius miles	\$1.00/hour
36-45 radius miles	\$1.15/hour

## Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



46-55 radius miles      \$1.35/hour  
 Over 55 radius miles    \$1.55/hour

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - MILLWRIGHT  
 AND PILEDRIVER ONLY)

Hourly Zone Pay shall be computed from Seattle Union Hall,  
 Tacoma City center, and Everett City center

Zone Pay:

0 -25 radius miles      Free  
 26-45 radius miles      \$ .70/hour  
 Over 45 radius miles    \$1.50/hour

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 CARP0770-006 06/01/2007

	Rates	Fringes
Carpenters:		
WESTERN WASHINGTON:		
CLALLAM, GRAYS HARBOR,		
ISLAND, JEFFERSON, KING,		
KITSAP, LEWIS (excludes		
piledrivers only), MASON,		
PACIFIC (North of a		
straight line made by		
extending the north		
boundary line of Wahkiakum		
County west to the Pacific		
Ocean), PIERCE, SAN JUAN,		
SKAGIT, SNOHOMISH,		
THURSTON AND WHATCOM		
COUNTIES		
ACOUSTICAL WORKERS.....	\$ 32.62	11.26
BRIDGE, DOCK & WHARF		
CARPENTERS.....	\$ 32.49	11.26
CARPENTERS AND DRYWALL		
APPLICATORS.....	\$ 32.49	11.26
CARPENTERS ON CREOSOTE		
MATERIAL.....	\$ 32.59	11.26
DIVERS TENDER.....	\$ 33.29	10.93
DIVERS.....	\$ 74.82	10.93
INSULATION APPLICATORS.....	\$ 32.49	11.26
MILLWRIGHT AND MACHINE		
ERECTORS.....	\$ 33.49	11.26
PILEDRIVER, DRIVING,		
PULLING, CUTTING, PLACING		
COLLARS, SETTING, WELDING		
OR CRESOTE TREATED		
MATERIAL, ALL PILING.....	\$ 32.69	11.26
SAWFILERS, STATIONARY		
POWER SAW OPERATORS,		
FLOOR FINISHER, FLOOR		
LAYER, SHINGLER, FLOOR		
SANDER OPERATOR AND		
OPERATORS OF OTHER		
STATIONARY WOOD WORKING		

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



TOOLS.....\$ 32.62 11.26

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - ALL  
CLASSIFICATIONS EXCEPT MILLWRIGHTS AND PILEDRIVERS

Hourly Zone Pay shall be paid on jobs located outside of the  
free zone computed from the city center of the following  
listed cities:

Seattle	Olympia	Bellingham
Auburn	Bremerton	Anacortes
Renton	Shelton	Yakima
Aberdeen-Hoquiam	Tacoma	Wenatchee
Ellensburg	Everett	Port Angeles
Centralia	Mount Vernon	Sunnyside
Chelan	Pt. Townsend	

Zone Pay:

0 -25 radius miles	Free
26-35 radius miles	\$1.00/hour
36-45 radius miles	\$1.15/hour
46-55 radius miles	\$1.35/hour
Over 55 radius miles	\$1.55/hour

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - MILLWRIGHT  
AND PILEDRIVER ONLY)

Hourly Zone Pay shall be computed from Seattle Union Hall,  
Tacoma City center, and Everett City center

Zone Pay:

0 -25 radius miles	Free
26-45 radius miles	\$ .70/hour
Over 45 radius miles	\$1.50/hour

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ELEC0046-001 07/02/2007

CALLAM, JEFFERSON, KING AND KITSAP COUNTIES

	Rates	Fringes
Cable splicer.....	\$ 40.62	3%+13.21
ELECTRICIAN.....	\$ 36.93	3%+13.21

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\* ELEC0048-003 01/01/2008

CLARK, KLINKITAT AND SKAMANIA COUNTIES

	Rates	Fringes
Cable splicer.....	\$ 34.40	3%+\$14.85
ELECTRICIAN.....	\$ 34.15	3%+\$14.85

HOURLY ZONE PAY:

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Portland, The Dalles, Hood River, Tillamook, Seaside and Astoria

Zone Pay:

Zone 1: 31-50 miles \$1.50/hour  
 Zone 2: 51-70 miles \$3.50/hour  
 Zone 3: 71-90 miles \$5.50/hour  
 Zone 4: Beyond 90 miles \$9.00/hour

\*These are not miles driven. Zones are based on Delorme Street Atlas USA 2006 plus.

ELEC0073-001 07/01/2007

ADAMS, FERRY, LINCOLN, PEND OREILLE, SPOKANE, STEVENS, WHITMAN COUNTIES

	Rates	Fringes
Cable splicer.....	\$ 25.87	3%+12.03
ELECTRICIAN.....	\$ 25.47	3%+12.03

ELEC0076-002 03/01/2007

GRAYS HARBOR, LEWIS, MASON, PACIFIC, PIERCE, AND THURSTON COUNTIES

	Rates	Fringes
Cable splicer.....	\$ 36.31	3%+13.19
ELECTRICIAN.....	\$ 32.71	3%+13.19

ELEC0077-002 02/01/2007

	Rates	Fringes
Line Construction:		
CABLE SPLICERS.....	\$ 42.09	3.875%+\$10.60
GROUND MEN.....	\$ 26.31	3.875%+\$8.60
LINE EQUIPMENT MEN.....	\$ 32.32	3.875%+\$8.70
LINEMEN, POLE SPRAYERS,		
HEAVY LINE EQUIPMENT MAN....	\$ 37.58	3.875%+\$10.60
POWDERMEN, JACKHAMMERMEN....	\$ 28.19	3.875%+\$8.60
TREE TRIMMER.....	\$ 22.65	3.875%+\$8.35

ELEC0112-005 06/04/2007

ASOTIN, BENTON, COLUMBIA, FRANKLIN, GARFIELD, KITTITAS, WALLA WALLA, YAKIMA COUNTIES

	Rates	Fringes
Cable splicer.....	\$ 33.50	3%+13.33

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



ELECTRICIAN.....	\$ 31.90	3%+13.33
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ELEC0191-003 08/31/2007

ISLAND, SAN JUAN, SNOHOMISH, SKAGIT AND WHATCOM COUNTIES

	Rates	Fringes
Cable splicer.....	\$ 35.71	3%+11.97
ELECTRICIAN.....	\$ 32.46	3%+11.97

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ELEC0191-004 08/31/2007

CHELAN, DOUGLAS, GRANT AND OKANOGAN COUNTIES

	Rates	Fringes
Cable splicer.....	\$ 31.31	3%+11.92
ELECTRICIAN.....	\$ 28.46	3%+11.92

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ELEC0970-001 06/01/2007

COWLITZ AND WAHAKIYAKUM COUNTIES

	Rates	Fringes
Cable splicer.....	\$ 32.67	3%+11.00
ELECTRICIAN.....	\$ 29.70	3%+11.00

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ENGI0302-003 06/01/2007

CHELAN (WEST OF THE 120TH MERIDIAN), CLALLAM, DOUGLAS (WEST OF THE 120TH MERIDIAN), GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, KITTITAS, MASON, OKANOGAN (WEST OF THE 120TH MERIDIAN), SAN JUNA, SKAGIT, SNOHOMISH, WHATCOM AND YAKIMA (WEST OF THE 120TH MERIDIAN) COUNTIES

PROJECTS: CATEGORY A PROJECTS (EXCLUDES CATEGORY B PROJECTS, AS SHOWN BELOW)

Zone 1 (0-25 radius miles):

	Rates	Fringes
Power equipment operators:		
Group 1A.....	\$ 33.21	12.75
Group 1AA.....	\$ 33.78	12.75
Group 1AAA.....	\$ 34.34	12.75
Group 1.....	\$ 32.66	12.75
Group 2.....	\$ 32.17	12.75
Group 3.....	\$ 31.75	12.75
Group 4.....	\$ 29.39	12.75

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) - \$ .70

Zone 3 (Over 45 radius miles) - \$1.00

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle, Shelton, Wenatchee, Yakima

#### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1AAA - Cranes-over 300 tons, or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes 200 to 300 tons, or 250 ft of boom (including jib with attachments); Tower crane over 175 ft in height, base to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons, under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead 6 yards to, but not including 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9, HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self propelled 45 yards and over; Slipform pavers; Transporters, all truck or track type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-Concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-overhead, bridge type-20 tons through 44 tons; Chipper; Concrete Pump-truck mount with boom attachment; Crusher; Deck Engineer/Deck Winches (power); Drilling machine; Excavator, shovel, backhoe-3yards and under; Finishing Machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Horizontal/directional drill operator; Loaders-overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics-all; Mixers-asphalt plant; Motor patrol graders-finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barber Green; Scraper-self propelled, hard tail end dump, articulating off-road equipment-under 45 yards; Subgrade trimmer; Tractors, backhoes-over 75 hp; Transfer material service machine-shuttle buggy, blaw knox-roadtec; Truck crane oiler/driver-100 tons and over; Truck Mount portable conveyor; Yo Yo Pay dozer

GROUP 3 - Conveyors; Cranes-thru 19 tons with attachments; A-frame crane over 10 tons; Drill oilers-auger type, truck or crane mount; Dozers-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom

#### Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



trucks over 10 tons; Loader-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pumps-concrete; Roller, plant mix or multi-lift materials; Saws-concrete; Scrpers-concrete and carry-all; Service engineer-equipment; Trenching machines; Truck Crane Oiler/Driver under 100 tons; Tractors, backhoe 75 hp and under

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete finish mahine-laser screed; Cranes-A frame-10 tons and under; Elevator and Manlift-permanent or shaft type; Gradechecker, Stakehop; Forklifts under 3000 lbs. with attachments; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger, mechanical; Power plant; Pumps, water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

Category B Projects: 95% of the basic hourly reate for each group plus full fringe benefits applicable to category A projects shall apply to the following projects. A Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than \$1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than \$1 million where no building is involved. Surfacing and paving included, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than \$150,000.

#### HANDLING OF HAZARDOUS WASTE MATERIALS:

Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be elgible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing

H-2 Class "C" Suit - Base wage rate plus \$ .25 per hour.

H-3 Class "B" Suit - Base wage rate plus \$ .50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$ .75 per hour.

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) - \$ .70

Zone 3 (Over 45 radius miles) - \$1.00

#### Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle, Shelton, Wenatchee, Yakima

#### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1AAA - Cranes-over 300 tons, or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes 200 to 300 tons, or 250 ft of boom (including jib with attachments); Tower crane over 175 ft in height, base to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons, under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead 6 yards to, but not including 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9, HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self propelled 45 yards and over; Slipform pavers; Transporters, all truck or track type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-Concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-overhead, bridge type-20 tons through 44 tons; Chipper; Concrete Pump-truck mount with boom attachment; Crusher; Deck Engineer/Deck Winches (power); Drilling machine; Excavator, shovel, backhoe-3 yards and under; Finishing Machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Horizontal/directional drill operator; Loaders-overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics-all; Mixers-asphalt plant; Motor patrol graders-finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barber Green; Scraper-self propelled, hard tail end dump, articulating off-road equipment-under 45 yards; Subgrade trimmer; Tractors, backhoes-over 75 hp; Transfer material service machine-shuttle buggy, blaw knox-roadtec; Truck crane oiler/driver-100 tons and over; Truck Mount portable conveyor; Yo Yo Pay dozer

GROUP 3 - Conveyors; Cranes-thru 19 tons with attachments; A-frame crane over 10 tons; Drill oilers-auger type, truck or crane mount; Dozers-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside hoists-(elevators and manlifts), air tuggers, strato

#### Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



tower bucket elevators; Hydralifts/boom trucks over 10 tons;  
Loader-elevating type, belt; Motor patrol  
grader-nonfinishing; Plant oiler- asphalt, crusher;  
Pumps-concrete; Roller, plant mix or multi-lift materials;  
Saws-concrete; Scrpers-concrete and carry-all; Service  
engineer-equipment; Trenching machines; Truck Crane  
Oiler/Driver under 100 tons; Tractors, backhoe 75 hp and under

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor;  
Concrete finish mahine-laser screed; Cranes-A frame-10 tons  
and under; Elevator and Manlift-permanent or shaft type;  
Gradechecker, Stakehop; Forklifts under 3000 lbs. with  
attachments; Hydralifts/boom trucks, 10 tons and under; Oil  
distributors, blower distribution and mulch seeding operator;  
Pavement breaker; Posthole digger, mechanical; Power plant;  
Pumps, water; Rigger and Bellman; Roller-other than plant  
mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment  
operator

CATEGORY B PROJECTS: 95% OF THE BASIC HOURLY RATE FOR EACH  
GROUP PLUS FULL FRINGE BENEFITS APPLICABLE TO CATEGORY A  
PROJECTS SHALL APPLY TO THE FOLLOWING PROJECTS. REDUCED  
RATES MAY BE PAID ON THE FOLLOWING:

1. Projects involving work on structures such as buildings  
and bridges whose total value is less than \$1.5  
million excluding mechanical, electrical, and utility portions  
of the contract.
2. Projects of less than \$1 million where no building is  
involved. Surfacing and paving including, but  
utilities excluded.
3. Marine projects (docks, wharfs, ect.) less than \$150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft  
classifications subject to working inside a federally designed  
hazardous perimeter shall be elgible for compensation in  
accordance with the following group schedule relative to the  
level of hazardous waste as outlined in the specific hazardous  
waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not  
outfitted with protective clothing.

H-2 Class "C" Suit - Base wage rate plus \$.25 per hour.

H-3 Class "B" Suit - Base wage rate plus \$.50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$.75 per hour.

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ENGI0302-009 06/01/2007

CHELAN (WEST OF THE 120TH MERIDIAN), CLALLAM, DOUGLAS (WEST OF  
THE 120TH MERIDIAN), GRAYS HARBOR, ISLAND, JEFFERSON, KING,  
KITSAP, KITTITAS, MASON, OKANOGAN (WEST OF THE 120TH MERIDIAN),  
SAN JUNA, SKAGIT, SNOHOMISH, WHATCOM AND YAKIMA (WEST OF THE  
120TH MERIDIAN) COUNTIES

ON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH  
GROUP SHALL BE 95% OF THE BASE RATE PLUS FULL FRINGE BENEFITS.

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

WORK PERFORMED ON HYDRAULIC DREDDGES:

Zone 1 (0-25 radius miles):

	Rates	Fringes
Power equipment operators:		
GROUP 1		
TOTAL PROJECT COST		
\$300,000 AND OVER.....\$ 31.33		12.75
TOTAL PROJECT COST UNDER		
\$300,000.....\$ 26.96		8.40
GROUP 2		
TOTAL PROJECT COST		
\$300,000 AND OVER.....\$ 31.46		12.75
TOTAL PROJECT COST UNDER		
\$300,000.....\$ 27.06		8.40
GROUP 3		
TOTAL PROJECT COST		
\$300,000 AND OVER.....\$ 31.84		12.75
TOTAL PROJECT COST UNDER		
\$300,000.....\$ 27.38		8.40
GROUP 4		
TOTAL PROJECT COST		
\$300,000 AND OVER.....\$ 31.89		12.75
TOTAL PROJECT COST UNDER		
\$300,000.....\$ 27.43		8.40
GROUP 5		
TOATL PROJECT COST		
\$300,000 AND OVER.....\$ 33.46		12.75
TOTAL PROJECT COST UNDER		
\$300,000.....\$ 28.75		8.40
GROUP 6		
TOTAL PROJECT COST		
\$300,000 AND OVER.....\$ 31.33		12.75
TOTAL PROJECT COST UNDER		
\$300,000.....\$ 26.96		8.40

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) - \$ .70

Zone 3 (Over 45 radius miles) - \$1.00

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent,  
Mount Vernon, Port Angeles, Port Townsend, Seattle,  
Shelton, Wenatchee, Yakima

POWER EQUIPMENT OPERATORS CLASSIFICATIONS:

GROUP 1: Assistant Mate (Deckhand

GROUP 2: Oiler

GROUP 3: Assistant Engineer (Electric, Diesel, Steam or  
Booster Pump); Mates and Boatmen

GROUP 4: Craneman, Engineer Welder

GROUP 5: Leverman, Hydraulic

GROUP 6: Maintenance

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



Category B Projects: 95% of the basic hourly reate for each group plus full fringe benefits applicable to category A projects shall apply to the following projects. A Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than \$1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than \$1 million where no building is involved. Surfacing and paving included, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than \$150,000.

Heavy Wage rates (Category A) Applies to clam shell dredge, hoe and dipper, shovels and shovel attachments, cranes and bulldozers.

#### HANDLING OF HAZARDOUS WASTE MATERIALS:

Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be elgible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing

H-2 Class "C" Suit - Base wage rate plus \$ .25 per hour.

H-3 Class "B" Suit - Base wage rate plus \$ .50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$ .75 per hour.

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) - \$ .70

Zone 3 (Over 45 radius miles) - \$1.00

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle, Shelton, Wenatchee, Yakima

#### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 - ASSISTANT MATE (DECKHAND)

GROUP 2 - OILER

GROUP 3 - ASSISTANT ENGINEER (ELECTRIC, DIESEL, STEAM OR BOOSTER PUMP); MATES AND BOATMEN

GROUP 4 - CRANEMAN, ENGINEER WELDER

GROUP 5 - LEVERMAN, HYDRAULIC

GROUP 6 - MAINTENANCE

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



CATEGORY B PROJECTS: 95% OF THE BASIC HOURLY RATE FOR EACH GROUP PLUS FULL FRINGE BENEFITS APPLICABLE TO CATEGORY A PROJECTS SHALL APPLY TO THE FOLLOWING PROJECTS. REDUCED RATES MAY BE PAID ON THE FOLLOWING:

1. Projects involving work on structures such as buildings and bridges whose total value is less than \$1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than \$1 million where no building is involved. Surfacing and paving including, but utilities excluded.
3. Marine projects (docks, wharfs, ect.) less than \$150,000.

HEAVY WAGE RATES (CATEGORY A) APPLIES TO CLAM SHELL DREDGE, HOE AND DIPPER, SHOVELS AND SHOVEL ATTACHMENTS, CRANES AND BULLDOZERS.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designed hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing.

H-2 Class "C" Suit - Base wage rate plus \$.25 per hour.

H-3 Class "B" Suit - Base wage rate plus \$.50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$.75 per hour.

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ENGI0370-002 06/01/2007

ADAMS, ASOTIN, BENTON, CHELAN (EAST OF THE 120TH MERIDIAN), COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN (EAST OF THE 120TH MERIDIAN), PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA (EAST OF THE 120TH MERIDIAN) COUNTIES

ZONE 1:

	Rates	Fringes
Power equipment operators:		
GROUP 1A.....	\$ 22.69	9.02
GROUP 1.....	\$ 23.24	9.02
GROUP 2.....	\$ 23.56	9.02
GROUP 3.....	\$ 24.17	9.02
GROUP 4.....	\$ 24.33	9.02
GROUP 5.....	\$ 24.49	9.02
GROUP 6.....	\$ 24.77	9.02
GROUP 7.....	\$ 25.04	9.02
GROUP 8.....	\$ 26.14	9.02

ZONE DIFFERENTIAL (Add to Zone 1 rate): Zone 2 - \$2.00

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



Zone 1: Within 45 mile radius of Spokane, Pasco, Washington;  
Lewiston, Idaho

Zone 2: Outside 45 mile radius of Spokane, Pasco,  
Washington; Lewiston, Idaho

#### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1A: Boat Operator; Crush Feeder; Oiler; Steam Cleaner

GROUP 1: Bit Grinders; Bolt Threading Machine; Compressors (under 2000 CFM, gas, diesel, or electric power); Deck Hand; Drillers Helper (Assist driller in making drill rod connections, service drill engine and air compressor, repair drill rig and drill tools, drive drill support truck to and on the job site, remove drill cuttings from around bore hole and inspect drill rig while in operation); Fireman & Heater Tender; Hydro-seeder, Mulcher, Nozzleman; Oiler Driver, & Cable Tender, Mucking Machine; Pumpman; Rollers, all types on subgrade, including seal and chip coatings (farm type, Case, John Deere & similar, or Compacting Vibrator), except when pulled by Dozer with operable blade; Welding Machine; Crane Oiler-Driver (CLD required) & Cable Tender, Mucking Machine

GROUP 2: A-frame Truck (single drum); Assistant Refrigeration Plant (under 1000 ton); Assistant Plant Operator, Fireman or Pugmixer (asphalt); Bagley or Stationary Scraper; Belt Finishing Machine; Blower Operator (cement); Cement Hog; Compressor (2000 CFM or over, 2 or more, gas diesel or electric power); Concrete Saw (multiple cut); Distributor Leverman; Ditch Witch or similar; Elevator Hoisting Materials; Dope Pots (power agitated); Fork Lift or Lumber Stacker, hydra-lift & similar; Gin Trucks (pipeline); Hoist, single drum; Loaders (bucket elevators and conveyors); Longitudinal Float; Mixer (portable-concrete); Pavement Breaker, Hydra-Hammer & similar; Power Broom; Railroad Ballast Regulation Operator (self-propelled); Railroad Power Tamper Operator (self-propelled); Railroad Tamper Jack Operator (self-propelled); Spray Curing Machine (concrete); Spreader Box (self-propelled); Straddle Buggy (Ross & similar on construction job only); Tractor (Farm type R/T with attachment, except Backhoe); Tugger Operator

GROUP 3: A-frame Truck (2 or more drums); Assistant Refrigeration Plant & Chiller Operator (over 1000 ton); Backfillers (Cleveland & similar); Batch Plant & Wet Mix Operator, single unit (concrete); Belt-Crete Conveyors with power pack or similar; Belt Loader (Kocal or similar); Bending Machine; Bob Cat (Skid Steer); Boring Machine (earth); Boring Machine (rock under 8 inch bit) (Quarry Master, Joy or similar); Bump Cutter (Wayne, Saginaw or similar); Canal Lining Machine (concrete); Chipper (without crane); Cleaning & Doping Machine (pipeline); Deck Engineer; Elevating Belt-type Loader (Euclid, Barber Green & similar); Elevating Grader-type Loader (Dumora, Adams or

#### Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



similar); Generator Plant Engineers (diesel or electric); Gunnite Combination Mixer & Compressor; Locomotive Engineer; Mixermobile; Mucking Machine; Posthole Auger or Punch; Pump (grout or jet); Soil Stabilizer (P & H or similar); Spreader Machine; Dozer/Tractor (up to D-6 or equivalent) and Traxcavator; Traverse Finish Machine; Turnhead Operator

GROUP 4: Concrete Pumps (squeeze-crete, flow-crete, pump-crete, Whitman & similar); Curb Extruder (asphalt or concrete); Drills (churn, core, calyx or diamond); Equipment Serviceman; Greaser & Oiler; Hoist (2 or more drums or Tower Hoist); Loaders (overhead & front-end, under 4 yds. R/T); Refrigeration Plant Engineer (under 1000 ton); Rubber-tired Skidders (R/T with or without attachments); Surface Heater & Plant Machine; Trenching Machines (under 7 ft. depth capacity); Turnhead (with re-screening); Vacuum Drill (reverse circulation drill under 8 inch bit)

GROUP 5: Backhoe (under 45,000 gw); Backhoe & Hoe Ram (under 3/4 yd.); Carrydeck & Boom Truck (under 25 tons); Cranes (25 tons & under), all attachments including clamshell, dragline; Derricks & Stifflegs (under 65 tons); Drilling Equipment (8 inch bit & over) (Robbins, reverse circulation & similar); Hoe Ram; Piledriving Engineers; Paving (dual drum); Railroad Track Liner Operatr (self-propelled); Refrigeration Plant Engineer (1000 tons & over); Signalman (Whirleys, Highline Hammerheads or similar); Grade Checker

GROUP 6: Asphalt Plant Operator; Automatic Subgrader (Ditches & Trimmers)(Autograde, ABC, R.A. Hansen & similar on grade wire); Backhoe (45,000 gw and over to 110,000 gw); Backhoes & Hoe Ram (3/4 yd. to 3 yd.); Batch Plant (over 4 units); Batch & Wet Mix Operator (multiple units, 2 & incl. 4); Blade Operator (motor patrol & attachments); Cable Controller (dispatcher); Compactor (self-propelled with blade); Concrete Pump Boom Truck; Concrete Slip Form Paver; Cranes (over 25 tons, to and including 45 tons), all attachments including clamshell, dragline; Crusher, Grizzle & Screening Plant Operator; Dozer, 834 R/T & similar; Drill Doctor; Loader Operator (front-end & overhead, 4 yds. incl. 8 yds.); Multiple Dozer Units with single blade; Paving Machine (asphalt and concrete); Quad-Track or similar equipment; Rollerman (finishing asphalt pavement); Roto Mill (pavement grinder); Scrapers, all, rubber-tired; Screed Operator; Shovel (under 3 yds.); Trenching Machines (7 ft. depth & over); Tug Boat Operator Vactor guzzler, super sucker; Lime Batch Tank Operator (REcycle Train); Lime Brain Operator (Recycle Train); Mobile Crusher Operator (Recycle Train)

GROUP 7: Backhoe (over 110,000 gw); Backhoes & Hoe Ram (3 yds & over); Blade (finish & bluetop) Automatic, CMI, ABC, Finish Athey & Huber & similar when used as automatic; Cableway Operators; Concrete Cleaning/Decontamination machine operator; Cranes (over 45 tons to but not including 85 tons), all attachments including clamshell and dragline;

#### Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



Derricks & Stiffleys (65 tons & over); Elevating Belt (Holland type); Heavy equipment robotics operator; Loader (360 degrees revolving Koehring Scooper or similar); Loaders (overhead & front-end, over 8 yds. to 10 yds.); Rubber-tired Scrapers (multiple engine with three or more scrapers); Shovels (3 yds. & over); Whirleys & Hammerheads, ALL; H.D. Mechanic; H.D. Welder; Hydraulic Platform Trailers (Goldhofer, Shaurerly and Similar); Ultra High Pressure Waterjet Cutting Tool System Operator (30,000 psi); Vacuum Blasting Machine Operator

GROUP 8: Cranes (85 tons and over, and all climbing, overhead, rail and tower), all attachments including clamshell, dragline; Loaders (overhead and front-end, 10 yards and over); Helicopter Pilot

BOOM PAY: (All Cranes, Including Tower)

180 ft to 250 ft	\$ .50 over scale
Over 250 ft	\$ .80 over scale

NOTE:

In computing the length of the boom on Tower Cranes, they shall be measured from the base of the Tower to the point of the boom.

HAZMAT:

Anyone working on HAZMAT jobs, working with supplied air shall receive \$1.00 an hour above classification.

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ENGI0370-006 06/01/2007

ADAMS, ASOTIN, BENTON, CHELAN (EAST OF THE 120TH MERIDIAN), COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN (EAST OF THE 120TH MERIDIAN), PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA (EAST OF THE 120TH MERIDIAN) COUNTIES

WORK PERFORMED ON HYDRAULIC DREDGES

	Rates	Fringes
Hydraulic Dredge		
GROUP 1:.....	\$ 31.33	12.75
GROUP 2:.....	\$ 31.84	12.75
GROUP 3:.....	\$ 31.89	12.75
GROUP 4:.....	\$ 33.46	12.75
GROUP 5:.....	\$ 31.33	12.75
GROUP 6:.....	\$ 31.46	12.75
GROUP 7:.....	\$ 31.84	12.75

GROUP 1: Assistant Mate (Deckhand)

GROUP 2: Assistant Engineer (Electric, Diesel, Steam, or Booster Pump)

GROUP 3: Engineer Welder

GROUP 4: Leverman, Hydraulic

GROUP 5: Maintenance

GROUP 6: Oiler

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



## GROUP 7: Mates &amp; Boatman

HEAVY WAGE RATES APPLIES TO CLAM SHELL DREDGE, HOE AND  
DIPPER, SHOVELS AND SHOVEL ATTACHMENTS, CRANES AND  
BULLDOZERS.

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ENGI0612-001 06/01/2007

LEWIS, PIERCE, PACIFIC (THAT PORTION WHICH LIES NORTH OF A  
PARALLEL LINE EXTENDED WEST FROM THE NORTHERN BOUNDARY OF  
WAHKAUKUM COUNTY TO THE SEA IN THE STATE OF WASHINGTON) AND  
THURSTON COUNTIES

## PROJECTS:

CATEGORY A PROJECTS (excludes Category B projects, as shown  
below)

	Rates	Fringes
Power equipment operators:		
WORK PERFORMED ON		
HYDRAULIC DREDGES:Total		
Project cost \$300,000 and over		
GROUP 1.....	\$ 31.33	12.75
GROUP 2.....	\$ 31.46	12.75
GROUP 3.....	\$ 31.84	12.75
GROUP 4.....	\$ 31.89	12.75
GROUP 5.....	\$ 33.46	12.75
GROUP 6.....	\$ 31.33	12.75
WORK PERFORMED ON		
HYDRAULIC DREDGES:Total		
Project Cost under \$300,000		
GROUP 1.....	\$ 26.96	8.40
GROUP 2.....	\$ 27.06	8.40
GROUP 3.....	\$ 27.38	8.40
GROUP 4.....	\$ 27.43	8.40
GROUP 5.....	\$ 28.75	8.40
GROUP 6.....	\$ 26.96	8.40

ZONE 2 (26-45 radius miles) - Add \$.70 to Zone 1 rates

ZONE 3 (Over 45 radius miles) - Add \$1.00 to Zone 1 rates

BASEPOINTS: Tacoma, Olympia, and Centralia

CATEGORY B PROJECTS - 95% of the basic hourly rate for each  
group plus full fringe benefits applicable to Category A  
projects shall apply to the following projects: Reduced  
rates may be paid on the following:

1. Projects involving work on structures such as buildings  
and structures whose total value is less than \$1.5 million  
excluding mechanical, electrical, and utility portions of  
the contract.
2. Projects of less than \$1 million where no building is  
involved. Surfacing and paving included, but utilities  
excluded.

## Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



## 3. Marine projects (docks, wharfs, etc.) less than \$150,000

## WORK PERFORMED ON HYDRAULIC DREDGES:

GROUP 1: Assistant Mate (Deckhand

GROUP 2: Oiler

GROUP 3: Assistant Engineer (Electric, Diesel, Steam or  
Booster Pump); Mates and Boatmen

GROUP 4: Craneman, Engineer Welder

GROUP 5: Leverman, Hydraulic

GROUP 6: Maintenance

HEAVY WAGE RATES APPLIES TO CLAM SHEEL DREDGE, HOE AND  
DIPPER, SHOVELS AND SHOVEL ATTACHMENTS, CRANES AND  
BULLDOZERS

## HANDLING OF HAZARDOUS WASTE MATERIALS

H-1 - When not outfitted with protective clothing of level D  
equipment - Base wage rate

H-2 - Class "C" Suit - Base wage rate + \$.25 per hour

H-3 - Class "B" Suit - Base wage rate + \$.50 per hour

H-4 - Class "A" Suit - Base wage rate + \$.75 per hour

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ENGI0612-002 06/01/2007LEWIS, PIERCE, PACIFIC (portion lying north of a parallel line  
extending west from the northern boundary of Wahkaikum County  
to the sea) AND THURSTON COUNTIESON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH  
GROUP SHALL BE 90% OF THE BASE RATE PLUS FULL FRINGE BENEFITS.  
ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

## Zone 1 (0-25 radius miles):

	Rates	Fringes
Power equipment operators:		
GROUP 1A.....	\$ 33.21	12.75
GROUP 1AA.....	\$ 33.78	12.75
GROUP 1AAA.....	\$ 34.34	12.75
GROUP 1.....	\$ 32.66	12.75
GROUP 2.....	\$ 32.17	12.75
GROUP 3.....	\$ 31.75	12.75
GROUP 4.....	\$ 29.39	12.75

## Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) = \$ .70

Zone 3 (Over 45 radius miles) - \$1.00

BASEPOINTS: CENTRALIA, OLYMPIA, TACOMA

## POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 AAA - Cranes-over 300 tons or 300 ft of boom  
(including jib with attachments)

## Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



GROUP 1AA - Cranes- 200 tons to 300 tons, or 250 ft of boom (including jib with attachments; Tower crane over 175 ft in height, base to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead, 6 yards to, but not including, 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9 HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self-propelled 45 yards and over; Slipform pavers; Transporters, all track or truck type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-Overhead, bridge type, 20 tons through 44 tons; Chipper; Concrete pump-truck mount with boom attachment; Crusher; Deck engineer/deck winches (power); Drilling machine; Excavator, shovel, backhoe-3 yards and under; Finishing machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Loaders, overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics- all; Mixers, asphalt plant; Motor patrol graders, finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barber Green; Scraper-self-propelled, hard tail end dump, articulating off-road equipment- under 45 yards; Subgrader trimmer; Tractors, backhoe over 75 hp; Transfer material service machine-shuttle buggy, Blaw Knox- Roadtec; Truck Crane oiler/driver-100 tons and over; Truck Mount Portable Conveyor; Yo Yo pay

GROUP 3 - Conveyors; Cranes through 19 tons with attachments; Crane-A-frame over 10 tons; Drill oilers-auger type, truck or crane mount; Dozer-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside Hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loaders-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pump-Concrete; Roller, plant mix or multi-lift materials; Saws-concrete; Scrapers, concrete and carry all; Service engineers-equipment; Trenching machines; Truck crane oiler/driver under 100 tons; Tractors, backhoe under 75 hp



GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor;  
Concrete Finish Machine-laser screed; Cranes A-frame 10  
tons and under; Elevator and manlift (permanent and shaft  
type); Forklifts-under 3000 lbs. with attachments;  
Gradechecker, stakehop; Hydralifts/boom trucks, 10 tons and  
under; Oil distributors, blower distribution and mulch  
seeding operator; Pavement breaker; Posthole  
digger-mechanical; Power plant; Pumps-water; Rigger and  
Bellman; Roller-other than plant mix; Wheel Tractors,  
farmall type; Shotcrete/gunite equipment operator

FOOTNOTE A- Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings  
and bridges whose total value is less than \$1.5 million  
excluding mechanical, electrical, and utility portions of  
the contract.
2. Projects of less than \$1 million where no building is  
involved. Surfacing and paving included, but utilities  
excluded.
3. Marine projects (docks, wharfs, etc.) less than \$150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all  
craft classifications subject to working inside a federally  
designated hazardous perimeter shall be eligible for  
compensation in accordance with the following group  
schedule relative to the level of hazardous waste as  
outlined in the specific hazardous waste project site  
safety plan.

H-1 Base wage rate when on a hazardous waste site when not  
outfitted with protective clothing

H-2 Class "C" Suit - Base wage rate plus \$ .25 per hour.

H-3 Class "B" Suit - Base wage rate plus \$ .50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$ .75 per hour.

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ENGI0701-002 01/01/2008

CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH), SKAMANIA, AND  
WAHKIAKUM COUNTIES

POWER EQUIPMENT OPERATORS: ZONE 1

	Rates	Fringes
Power equipment operators:		
(See Footnote A)		
GROUP 1.....	\$ 35.06	10.25
GROUP 1A.....	\$ 36.75	10.25
GROUP 1B.....	\$ 38.44	10.25
GROUP 2.....	\$ 33.55	10.25
GROUP 3.....	\$ 32.62	10.25
GROUP 4.....	\$ 31.75	10.25
GROUP 5.....	\$ 30.72	10.25
GROUP 6.....	\$ 27.94	10.25

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



Zone Differential (add to Zone 1 rates):

Zone 2 - \$1.50

Zone 3 - 3.00

For the following metropolitan counties: MULTNOMAH;  
CLACKAMAS; MARION; WASHINGTON; YAMHILL; AND COLUMBIA;  
CLARK; AND COWLITZ COUNTY, WASHINGTON WITH MODIFICATIONS AS  
INDICATED:

All jobs or projects located in Multnomah, Clackamas and Marion Counties, West of the western boundary of Mt. Hood National Forest and West of Mile Post 30 on Interstate 84 and West of Mile Post 30 on State Highway 26 and West of Mile Post 30 on Highway 22 and all jobs or projects located in Yamhill County, Washington County and Columbia County and all jobs or projects located in Clark & Cowlitz County, Washington except that portion of Cowlitz County in the Mt. St. Helens "Blast Zone" shall receive Zone I pay for all classifications.

All jobs or projects located in the area outside the identified boundary above, but less than 50 miles from the Portland City Hall shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the Portland City Hall, but outside the identified border above, shall receive Zone III pay for all classifications.

For the following cities: ALBANY; BEND; COOS BAY; EUGENE;  
GRANTS PASS; KLAMATH FALLS; MEDFORD; ROSEBURG

All jobs or projects located within 30 miles of the respective city hall of the above mentioned cities shall receive Zone I pay for all classifications.

All jobs or projects located more than 30 miles and less than 50 miles from the respective city hall of the above mentioned cities shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the respective city hall of the above mentioned cities shall receive Zone III pay for all classifications.

#### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: CONCRETE: Batch Plant and/or Wet Mix Operator, three units or more; CRANE: Helicopter Operator, when used in erecting work; Whirley Operator, 90 ton and over; LATTICE BOOM CRANE: Operator 200 tons through 299 tons, and/or over 200 feet boom; HYDRAULIC CRANE: Hydraulic Crane Operator 90 tons through 199 tons with luffing or tower attachments; FLOATING EQUIPMENT: Floating Crane, 150 ton but less than 250 ton

GROUP 1A: HYDRAULIC CRANE: Hydraulic Operator, 200 tons and

#### Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



over (with luffing or tower attachment); LATTICE BOOM CRANE: Operator, 200 tons through 299 tons, with over 200 feet boom; FLOATING EQUIPMENT: Floating Crane 250 ton and over

GROUP 1B: LATTICE BOOM CRANE: Operator, 300 tons through 399 tons with over 200 feet boom; Operator 400 tons and over; FLOATING EQUIPMENT: Floating Crane 350 ton and over

GROUP 2: ASPHALT: Asphalt Plant Operator (any type); Roto Mill, pavement profiler, operator, 6 foot lateral cut and over; BLADE: Auto Grader or "Trimmer" (Grade Checker required); Blade Operator, Robotic; BULLDOZERS: Bulldozer operator over 120,000 lbs and above; Bulldozer operator, twin engine; Bulldozer Operator, tandem, quadnine, D10, D11, and similar type; Bulldozere Robotic Equipment (any type; CONCRETE: Batch Plant and/or Wet Mix Operator, one and two drum; Automatic Concrete Slip Form Paver Operator; Concrete Canal Line Operator; Concrete Profiler, Diamond Head; CRANE: Cableway Operator, 25 tons and over; HYDRAULIC CRANE: Hydraulic crane operator 90 tons through 199 tons (without luffing or tower attachment); TOWER/WHIRLEY OPERATOR: Tower Crane Operator; Whirley Operator, under 90 tons; LATTICE BOOM CRANE: 90 through 199 tons and/or 150 to 200 feet boom; CRUSHER: Crusher Plant Operator; FLOATING EQUIPMENT: Floating Clamshell, etc.operator, 3 cu. yds. and over; Floating Crane (derrick barge) Operator, 30 tons but less than 150 tons; LOADERS: Loader operator, 120,000 lbs. and above; REMOTE CONTROL: Remote controlled earth-moving equipment; RUBBER-TIRED SCRAPERS: Rubber-tired scraper operator, with tandem scrapers, multi-engine; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER OPERATOR: Shovel, Dragline, Clamshell, operator 5 cu. yds and over; TRENCHING MACHINE: Wheel Excavator, under 750 cu. yds. per hour (Grade Oiler required); Canal Trimmer (Grade Oiler required); Wheel Excavator, over 750 cu. yds. per hour; Band Wagon (in conjunction with wheel excavator); UNDERWATER EQUIPMENT: Underwater Equipment Operator, remote or otherwise; HYDRAULIC HOES-EXCAVATOR: Excavator over 130,000 lbs.; HYDRAULIC CRANE: Hydraulic crane operator, 50 tons through 89 tons (with luffing or tower attachment);

GROUP 3: BULLDOZERS: Bulldozer operator, over 70,000 lbs. up to and including 120,000 lbs.; HYDRAULIC CRANE: Hydraulic crane operator, 50 tons through 89 tons (without luffing or tower attachment); LATTICE BOOM CRANES: Lattice Boom Crane-50 through 89 tons (and less than 150 feet boom); FORKLIFT: Rock Hound Operator; HYDRAULIC HOES-EXCAVATOR: excavator over 80,000 lbs. through 130,000 lbs.; LOADERS: Loader operator 60,000 and less than 120,000; RUBBER-TIRED SCRAPERS: Scraper Operator, with tandem scrapers; Self-loading, paddle wheel, auger type, finish and/or 2 or more units; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER OPERATOR: Shovel, Dragline, Clamshell operators 3 cu. yds. but less than 5 cu yds.

GROUP 4: ASPHALT: Screed Operator; Asphalt Paver operator

#### Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



(screeman required); BLADE: Blade operator; Blade operator, finish; Blade operator, externally controlled by electronic, mechanical hydraulic means; Blade operator, multi-engine; BULLDOZERS: Bulldozer Operator over 20,000 lbs and more than 100 horse up to 70,000 lbs; Drill Cat Operator; Side-boom Operator; Cable-Plow Operator (any type); CLEARING: Log Skidders; Chippers; Incinerator; Stump Splitter (loader mounted or similar type); Stump Grinder (loader mounted or similar type; Tub Grinder; Land Clearing Machine (Track mounted forestry mowing & grinding machine); Hydro Axe (loader mounted or similar type); COMPACTORS SELF-PROPELLED: Compactor Operator, with blade; Compactor Operator, multi-engine; Compactor Operator, robotic; CONCRETE: Mixer Mobile Operator; Screed Operator; Concrete Cooling Machine Operator; Concrete Paving Road Mixer; Concrete Breaker; Reinforced Tank Banding Machine (K-17 or similar types); Laser Screed; CRANE: Chicago boom and similar types; Lift Slab Machine Operator; Boom type lifting device, 5 ton capacity or less; Hoist Operator, two (2) drum; Hoist Operator, three (3) or more drums; Derrick Operator, under 100 ton; Hoist Operator, stiff leg, guy derrick or similar type, 50 ton and over; Cableway Operator up to twenty (25) ton; Bridge Crane Operator, Locomotive, Gantry, Overhead; Cherry Picker or similar type crane; Carry Deck Operator; Hydraulic Crane Operator, under 50 tons; LATTICE BOOM CRANE OPERATOR: Lattice Boom Crane Operator, under 50 tons; CRUSHER: Generator Operator; Diesel-Electric Engineer; Grizzley Operator; Drill Doctor; Boring Machine Operator; Driller-Percussion, Diamond, Core, Cable, Rotary and similar type; Cat Drill (John Henry); Directional Drill Operator over 20,000 lbs pullback; FLOATING EQUIPMENT: Diesel-electric Engineer; Jack Operator, elevating barges, Barge Operator, self-unloading; Piledriver Operator (not crane type) (Deckhand required); Floating Clamshell, etc. Operator, under 3 cu. yds. (Fireman or Diesel-Electric Engineer required); Floating Crane (derrick barge) Operator, less than 30 tons; GENERATORS: Generator Operator; Diesel-electric Engineer; GUARDRAIL EQUIPMENT: Guardrail Punch Operator (all types); Guardrail Auger Operator (all types); Combination Guardrail machines, i.e., punch auger, etc.; HEATING PLANT: Surface Heater and Planer Operator; HYDRAULIC HOES EXCAVATOR: Robotic Hydraulic backhoe operator, track and wheel type up to and including 20,000 lbs. with any or all attachments; Excavator Operator over 20,000 lbs through 80,000 lbs.; LOADERS: Belt Loaders, Kolman and Ko Cal types; Loaders Operator, front end and overhead, 25,000 lbs and less than 60,000 lbs; Elevating Grader Operator by Tractor operator, Sierra, Euclid or similar types; PILEDRIVERS: Hammer Operator; Piledriver Operator (not crane type); PIPELINE, SEWER WATER: Pipe Cleaning Machine Operator; Pipe Doping Machine Operator; Pipe Bending Machine Operator; Pipe Wrapping Machine Operator; Boring Machine Operator; Back Filling Machine Operator; REMOTE CONTROL: Concrete Cleaning Decontamination Machine Operator; Ultra High Pressure Water Jet Cutting Tool System Operator/Mechanic; Vacuum Blasting Machine Operator/mechanic; REPAIRMEN, HEAVY DUTY: Diesel

#### Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



Electric Engineer (Plant or Floating; Bolt Threading Machine operator; Drill Doctor (Bit Grinder); H.D. Mechanic; Machine Tool Operator; RUBBER-TIRED SCRAPERS: Rubber-tired Scraper Operator, single engine, single scraper; Self-loading, paddle wheel, auger type under 15 cu. yds.; Rubber-tired Scraper Operator, twin engine; Rubber-tired Scraper Operator, with push-ull attachments; Self Loading, paddle wheel, auger type 15 cu. yds. and over, single engine; Water pulls, water wagons; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER OPERATOR: Diesel Electric Engineer; Stationary Drag Scraper Operator; Shovel, Dragline, Clamshell, Operator under 3 cy yds.; Grade-all Operator; SURFACE (BASE) MATERIAL: Blade mounted spreaders, Ulrich and similar types; TRACTOR-RUBBERED TIRED: Tractor operator, rubber-tired, over 50 hp flywheel; Tractor operator, with boom attachment; Rubber-tired dozers and pushers (Michigan, Cat, Hough type); Skip Loader, Drag Box; TRENCHING MACHINE: Trenching Machine operator, digging capacity over 3 ft depth; Back filling machine operator; TUNNEL: Mucking machine operator

GROUP 5: ASPHALT: Extrusion Machine Operator; Roller Operator (any asphalt mix); Asphalt Burner and Reconditioner Operator (any type); Roto-Mill, pavement profiler, ground man; BULLDOZERS: Bulldozer operator, 20,000 lbs. or less or 100 horse or less; COMPRESSORS: Compressor Operator (any power), over 1,250 cu. ft. total capacity; COMPACTORS: Compactor Operator, including vibratory; Wagner Pactor Operator or similar type (without blade); CONCRETE: Combination mixer and Compressor Operator, gunite work; Concrete Batch Plant Quality Control Operator; Belcrete Operator; Pumpcrete Operator (any type); Pavement Grinder and/or Grooving Machine Operator (riding type); Cement Pump Operator, Fuller-Kenyon and similar; Concrete Pump Operator; Grouting Machine Operator; Concrete mixer operator, single drum, under (5) bag capacity; Cast in place pipe laying machine; maginnis Internal Full slab vibrator operator; Concrete finishing machine operator, Clary, Johnson, Bidwell, Burgess Bridge deck or similar type; Curb Machine Operator, mechanical Berm, Curb and/or Curb and Gutter; Concrete Joint Machine Operator; Concrete Planer Operator; Tower Mobile Operator; Power Jumbo Operator setting slip forms in tunnels; Slip Form Pumps, power driven hydraulic lifting device for concrete forms; Concrete Paving Machine Operator; Concrete Finishing Machine Operator; Concrete Spreader Operator; CRANE: Helicopter Hoist Operator; Hoist Operator, single drum; Elevator Operator; A-frame Truck Operator, Double drum; Boom Truck Operator; HYDRAULIC CRANE OPERATOR: Hydraulic Boom Truck, Pittman; DRILLING: Churn Drill and Earth Boring Machine Operator; Vacuum Truck; Directional Drill Operator over 20,000 lbs pullback; FLOATING EQUIPMENT: Fireman; FORKLIFT: Fork Lift, over 10 ton and/or robotic; HYDRAULIC HOES EXCAVATORS: Hydraulic Backhoe Operator, wheel type (Ford, John Deere, Case type); Hydraulic Backhoe Operator track type up to and including 20,000 lbs.; LOADERS: Loaders, rubber-tired type, less

#### Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



than 25,000 lbs; Elevating Grader Operator, Tractor Towed requiring Operator or Grader; Elevating loader operator, Athey and similar types; OILERS: Service oiler (Greaser); PIPELINE-SEWER WATER: Hydra hammer or simialr types; Pavement Breaker Operator; PUMPS: Pump Operator, more than 5 (any size); Pot Rammer Operator; RAILROAD EQUIPMENT: Locomotive Operator, under 40 tons; Ballast Regulator Operator; Ballast Tamper Multi-Purpose Operator; Track Liner Operator; Tie Spacer Operator; Shuttle Car Operator; Locomotive Operator, 40 tons and over; MATERIAL HAULRS: Cat wagon DJBs Volvo similar types; Conveyored material hauler; SURFACING (BASE) MATERIAL: Rock Spreaders, self-propelled; Pulva-mixer or similar types; Chiip Spreading machine operator; Lime spreading operator, construction job siter; SWEEPERS: Sweeper operator (Wayne type) self-propelled construction job site; TRACTOR-RUBBER TIRED: Tractor operator, rubber-tired, 50 hp flywheel and under; Trenching machine operator, maximum digging capacity 3 ft depth; TUNNEL: Dinkey

GROUP 6: ASPHALT: Plant Oiler; Plant Fireman; Pugmill Operator (any type); Truck mounted asphalt spreader, with screed; COMPRESSORS: Compressor Operator (any power), under 1,250 cu. ft. total capacity; CONCRETE: Plant Oiler, Assistant Conveyor Operator; Conveyor Operator; Mixer Box Operator (C.T.B., dry batch, etc.); Cement Hog Operator; Concrete Saw Operator; Concrete Curing Machine Operator (riding type); Wire Mat or Brooming Machine Operator; CRANE: Oiler; Fireman, all equipment; Truck Crane Oiler Driver; A-frame Truck Operator, single drum; Tugger or Coffin Type Hoist Operator; CRUSHER: Crusher Oiler; Crusher Feeder; CRUSHER: Crusher oiler; Crusher feeder; DRILLING: Drill Tender; Auger Oiler; FLOATING EQUIPMENT: Deckhand; Boatman; FORKLIFT: Self-propelled Scaffolding Operator, construction job site (exclduing working platform); Fork Lift or Lumber Stacker Operator, construction job site; Ross Carrier Operator, construction job site; Lull Hi-Lift Operator or Similar Type; GUARDRAIL EQUIPMENT: Oiler; Auger Oiler; Oiler, combination guardrail machines; Guardrail Punch Oiler; HEATING PLANT: Temporary Heating Plant Operator; LOADERS: Bobcat, skid steer (less than 1 cu yd.); Bucket Elevator Loader Operator, BarberGreene and similar types; OILERS: Oiler; Guardrail Punch Oiler; Truck Crane Oiler-Driver; Auger Oiler; Grade Oiler, required to check grade; Grade Checker; Rigger; PIPELINE-SEWER WATER: Tar Pot Fireman; Tar Pot Fireman (power agitated); PUMPS: Pump Operator (any power); Hydrostatic Pump Operator; RAILROAD EQUIPMENT: Brakeman; Oiler; Switchman; Motorman; Ballast Jack Tamper Operator; SHOVEL, DRAGLINE, CLAMSHELL, SKOOPER, ETC. OPERATOR: Oiler, Grade Oiler (required to check grade); Grade Checker; Fireman; SWEEPER: Broom operator, self propelled, construction job site; SURFACING (BASE) MATERIAL: Roller Operator, grading of base rock (not asphalt); Tamping Machine operator, mechanical, self-propelled; Hydrographic Seeder Machine Operator; TRENCHING MACHINE: Oiler; Grade Oiler; TUNNEL: Conveyor operator; Air filtration equipment

#### Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



operator

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\* ENGI0701-003 01/01/2008CLARK, COWLITZ, KICKITAT, PACIFIC (SOUTH), SKAMANIA, AND  
WAHKIAKUM COUNTIES

## DREDGING:

	Rates	Fringes
Dredging:		
ZONE A		
ASSISTANT ENGINEER.....	\$ 35.66	10.05
ASSISTANT MATE.....	\$ 31.53	10.05
LEVERMAN, DIPPER,		
FLOATING CLAMSHELL.....	\$ 38.12	10.05
LEVERMAN, HYDRAULIC.....	\$ 38.12	10.05
TENDERMAN.....	\$ 34.54	10.05
ZONE B		
ASSISTANT ENGINEER.....	\$ 37.66	10.05
ASSISTANT MATE.....	\$ 33.53	10.05
LEVERMAN, DIPPER,		
FLOATING CLAMSHELL.....	\$ 40.12	10.05
LEVERMAN, HYDRAULIC.....	\$ 40.12	10.05
TENDERMAN.....	\$ 36.54	10.05
ZONE C		
ASSISTANT ENGINEER.....	\$ 38.66	10.05
ASSISTANT MATE.....	\$ 34.53	10.05
LEVERMAN, DIPPER,		
FLOATING CLAMSHELL.....	\$ 41.12	10.05
LEVERMAN, HYDRAULIC.....	\$ 41.12	10.05
TENDERMAN.....	\$ 37.54	10.05

## ZONE DESCRIPTION FOR DREDGING:

ZONE A - All jobs or projects located within 30 road miles of  
Portland City Hall.

ZONE B - Over 30-50 road miles from Portland City Hall.

ZONE C - Over 50 road miles from Portland City Hall.

\*All jobs or projects shall be computed from the city hall by  
the shortest route to the geographical center of the  
project.

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IRON0014-005 07/01/2007ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS, FERRY, FRANKLIN,  
GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND ORIELLE, SPOKANE,  
STEVENS, WALLA WALLA AND WHITMAN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 28.22	15.52

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IRON0029-002 07/01/2007

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



CLARK, COWLITZ, KICKITAT, PACIFIC, SKAMANIA, AND WAHKAUKUM  
COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 30.25	15.52
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IRON0086-002 07/01/2007		

## YAKIMA, KITTITAS AND CHELAN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 29.00	15.52
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IRON0086-004 07/01/2007		

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS,  
MASON, PIERCE, SKAGIT, SNOHOMISH, THURSTON, AND WHATCOM COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 32.40	15.52
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LABO0001-002 06/01/2007		

## ZONE 1:

	Rates	Fringes
Laborers:		
CALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (NORTH OF STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY WAHKAUKUM COUNTY WEST TO THE PACIFIC OCEAN), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES		
GROUP 1.....	\$ 20.25	8.26
GROUP 2.....	\$ 22.81	8.26
GROUP 3.....	\$ 28.04	8.26
GROUP 4.....	\$ 28.55	8.26
GROUP 5.....	\$ 29.00	8.26
CHELAN, DOUGLAS (WEST OF THE 120TH MERIDIAN), KITTITAS AND YAKIMA COUNTIES		
GROUP 1.....	\$ 16.58	8.26
GROUP 2.....	\$ 19.00	8.26
GROUP 3.....	\$ 20.80	8.26
GROUP 4.....	\$ 21.30	8.26
GROUP 5.....	\$ 21.67	8.26

## Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 - \$ .70

ZONE 3 - \$1.00

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective city hall

ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall

ZONE 3 - More than 45 radius miles from the respective city hall

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT, TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT. TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective city hall

ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall

ZONE 3 - More than 45 radius miles from the respective city hall

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window Washer/Cleaner (detail clean-up, such as but not limited to cleaning floors, ceilings, walls, windows, etc., prior to final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer; Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B); High Scaler; Jackhammer; Laserbeam Operator; Manhole Builder-Mudman;

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



Mortarman and Hodcarrier; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and gas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Powderman; Re-Timberman; Hazardous Waste Worker (Level A).

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LAB00238-004 06/01/2007

ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND OREILLE, STEVENS, SPOKANE, WALLA WALLA AND WHITMAN COUNTIES

	Rates	Fringes
Laborers:		
ZONE 1:		
GROUP 1.....	\$ 19.71	7.45
GROUP 2.....	\$ 21.81	7.45
GROUP 3.....	\$ 22.08	7.45
GROUP 4.....	\$ 22.35	7.45
GROUP 5.....	\$ 22.63	7.45
GROUP 6.....	\$ 24.00	7.45

Zone Differential (Add to Zone 1 rate): \$2.00

BASE POINTS: Spokane, Pasco, Lewiston

Zone 1: 0-45 radius miles from the main post office.

Zone 2: 45 radius miles and over from the main post office.

#### LABORERS CLASSIFICATIONS

GROUP 1: Flagman; Landscape Laborer; Scaleman; Traffic Control Maintenance Laborer (to include erection and maintenance of barricades, signs and relief of flagperson); Window Washer/Cleaner (detail cleanup, such as, but not limited to cleaning floors, ceilings, walls, windows, etc. prior to final acceptance by the owner)

GROUP 2: Asbestos Abatement Worker; Brush Hog Feeder; Carpenter Tender; Cement Handler; Clean-up Laborer; Concrete Crewman (to include stripping of forms, hand operating jacks on slip form construction, application of concrete curing compounds, pumpcrete machine, signaling, handling the nozzle of squeezecrete or similar machine, 6 inches and smaller); Confined Space Attendant; Concrete Signalman; Crusher Feeder; Demolition (to include clean-up,

#### Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



burning, loading, wrecking and salvage of all material); Dumpman; Fence Erector; Firewatch; Form Cleaning Machine Feeder, Stacker; General Laborer; Grout Machine Header Tender; Guard Rail (to include guard rails, guide and reference posts, sign posts, and right-of-way markers); Hazardous Waste Worker, Level D (no respirator is used and skin protection is minimal); Miner, Class "A" (to include all bull gang, concrete crewman, dumpman and pumpcrete crewman, including distributing pipe, assembly & dismantle, and nipper); Nipper; Riprap Man; Sandblast Tailhoseman; Scaffold Erector (wood or steel); Stake Jumper; Structural Mover (to include separating foundation, preparation, cribbing, shoring, jacking and unloading of structures); Tailhoseman (water nozzle); Timber Buckler and Faller (by hand); Track Laborer (RR); Truck Loader; Well-Point Man; All Other Work Classifications Not Specially Listed Shall Be Classified As General Laborer

GROUP 3: Asphalt Raker; Asphalt Roller, walking; Cement Finisher Tender; Concrete Saw, walking; Demolition Torch; Dope Pot Firemen, non-mechanical; Driller Tender (when required to move and position machine); Form Setter, Paving; Grade Checker using level; Hazardous Waste Worker, Level C (uses a chemical "splash suit" and air purifying respirator); Jackhammer Operator; Miner, Class "B" (to include brakeman, finisher, vibrator, form setter); Nozzleman (to include squeeze and flo-crete nozzle); Nozzleman, water, air or steam; Pavement Breaker (under 90 lbs.); Pipelayer, corrugated metal culvert; Pipelayer, multi-plate; Pot Tender; Power Buggy Operator; Power Tool Operator, gas, electric, pneumatic; Railroad Equipment, power driven, except dual mobile power spiker or puller; Railroad Power Spiker or Puller, dual mobile; Rodder and Spreader; Tamper (to include operation of Barco, Essex and similar tampers); Trencher, Shawnee; Tugger Operator; Wagon Drills; Water Pipe Liner; Wheelbarrow (power driven)

GROUP 4: Air and Hydraulic Track Drill; Brush Machine (to include horizontal construction joint cleanup brush machine, power propelled); Caisson Worker, free air; Chain Saw Operator and Faller; Concrete Stack (to include laborers when laborers working on free standing concrete stacks for smoke or fume control above 40 feet high); Gunite (to include operation of machine and nozzle); Hazardous Waste Worker, Level B (uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Laser Beam Operator (to include grade checker and elevation control); Miner, Class C (to include miner, nozzleman for concrete, laser beam operator and rigger on tunnels); Monitor Operator (air track or similar mounting); Mortar Mixer; Nozzleman (to include jet blasting nozzleman, over 1,200 lbs., jet blast machine power propelled, sandblast nozzle); Pavement Breaker (90 lbs. and over); Pipelayer (to include working topman, caulker, collarman, jointer, mortarman, rigger, jacker, shorer, valve or meter installer); Pipewrapper; Plasterer Tender; Vibrators (all)

#### Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



GROUP 5 - Drills with Dual Masts; Hazardous Waste Worker, Level A (utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line); Miner Class "D", (to include raise and shaft miner, laser beam operator on riases and shafts)

GROUP 6 - Powderman

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LABO0238-006 06/01/2007

COUNTIES EAST OF THE 120TH MERIDIAN: ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND OREILLE, STEVENS, SPOKANE, WALLA WALLA, WHITMAN

	Rates	Fringes
Hod Carrier.....	\$ 23.40	7.45

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LABO0335-001 06/01/2007

CLARK, COWLITZ, KLINKITAT, PACIFIC (SOUTH OF A STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY LINE OF WAHIAKUM COUNTY WEST TO THE PACIFIC OCEAN), SKAMANIA AND WAHIAKUM COUNTIES

	Rates	Fringes
Laborers:		
ZONE 1:		
GROUP 1.....	\$ 25.94	8.25
GROUP 2.....	\$ 26.54	8.25
GROUP 3.....	\$ 26.98	8.25
GROUP 4.....	\$ 27.36	8.25
GROUP 5.....	\$ 23.44	8.25
GROUP 6.....	\$ 21.02	8.25
GROUP 7.....	\$ 17.82	8.25

Zone Differential (Add to Zone 1 rates):

Zone 2 \$ 0.65

Zone 3 - 1.15

Zone 4 - 1.70

Zone 5 - 2.75

BASE POINTS: GOLDENDALE, LONGVIEW, AND VANCOUVER

ZONE 1: Projects within 30 miles of the respective city all.

ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.

ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.

ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.

ZONE 5: More than 80 miles from the respective city hall.

LABORERS CLASSIFICATIONS

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



GROUP 1: Asphalt Plant Laborers; Asphalt Spreaders; Batch Weighman; Broomers; Brush Burners and Cutters; Car and Truck Loaders; Carpenter Tender; Change-House Man or Dry Shack Man; Choker Setter; Clean-up Laborers; Curing, Concrete; Demolition, Wrecking and Moving Laborers; Dumpers, road oiling crew; Dumpmen (for grading crew); Elevator Feeders; Guard Rail, Median Rail Reference Post, Guide Post, Right of Way Marker; Fine Graders; Fire Watch; Form Strippers (not swinging stages); General Laborers; Hazardous Waste Worker; Leverman or Aggregate Spreader (Flaherty and similar types); Loading Spotters; Material Yard Man (including electrical); Pittsburgh Chipper Operator or Similar Types; Railroad Track Laborers; Ribbon Setters (including steel forms); Rip Rap Man (hand placed); Road Pump Tender; Sewer Labor; Signalman; Skipman; Slopers; Spraymen; Stake Chaser; Stockpiler; Tie Back Shoring; Timber Faller and Bucker (hand labor); Toolroom Man (at job site); Tunnel Bullgang (above ground); Weight-Man- Crusher (aggregate when used)

GROUP 2: Applicator (including pot power tender for same), applying protective material by hand or nozzle on utility lines or storage tanks on project; Brush Cutters (power saw); Burners; Choker Splicer; Clary Power Spreader and similar types; Clean- up Nozzleman-Green Cutter (concrete, rock, etc.); Concrete Power Buggyman; Concrete Laborer; Crusher Feeder; Demolition and Wrecking Charred Materials; Gunit Nozzleman Tender; Gunit or Sand Blasting Pot Tender; Handlers or Mixers of all Materials of an irritating nature (including cement and lime); Tool Operators (includes but not limited to: Dry Pack Machine; Jackhammer; Chipping Guns; Paving Breakers); Pipe Doping and Wrapping; Post Hole Digger, air, gas or electric; Vibrating Screed; Tampers; Sand Blasting (Wet); Stake-Setter; Tunnel-Muckers, Brakemen, Concrete Crew, Bullgang (underground)

GROUP 3: Asbestos Removal; Bit Grinder; Drill Doctor; Drill Operators, air tracks, cat drills, wagon drills, rubber-mounted drills, and other similar types including at crusher plants; Gunit Nozzleman; High Scalars, Strippers and Drillers (covers work in swinging stages, chairs or belts, under extreme conditions unusual to normal drilling, blasting, barring-down, or sloping and stripping); Manhole Builder; Powdermen; Concrete Saw Operator; Powdermen; Power Saw Operators (Bucking and Falling); Pumpcrete Nozzlemen; Sand Blasting (Dry); Sewer Timberman; Track Liners, Anchor Machines, Ballast Regulators, Multiple Tampers, Power Jacks, Tugger Operator; Tunnel-Chuck Tenders, Nippers and Timbermen; Vibrator; Water Blaster

GROUP 4: Asphalt Raker; Concrete Saw Operator (walls); Concrete Nozzelman; Grade Checker; Pipelayer; Laser Beam (pipelaying)-applicable when employee assigned to move, set up, align; Laser Beam; Tunnel Miners; Motorman-Dinky Locomotive-Tunnel; Powderman-Tunnel; Shield Operator-Tunnel

#### Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



GROUP 5: Traffic Flaggers

GROUP 6: Fence Builders

GROUP 7: Landscaping or Planting Laborers

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LABO0335-010 06/01/2007

CLARK, COWLITZ, KLUCKITAT, PACIFIC (SOUTH OF A STRAIGHT LINE  
MADE BY EXTENDING THE NORTH BOUNDARY LINE OF WAHIAKUM COUNTY  
WEST TO THE PACIFIC OCEAN), SKAMANIA AND WAHIAKUM COUNTIES

	Rates	Fringes
Hod Carrier.....	\$ 27.96	8.25

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PAIN0005-002 06/01/2007

STATEWIDE EXCEPT CLARK, COWLITZ, KLUCKITAT, PACIFIC (SOUTH),  
SKAMANIA, AND WAHIAKUM COUNTIES

	Rates	Fringes
Painters:		
STRIPERS.....	\$ 25.38	11.02

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PAIN0005-004 07/01/2007

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS,  
MASON, PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND  
WHATCOM COUNTIES

	Rates	Fringes
PAINTER.....	\$ 19.91	6.85

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\* PAIN0005-006 07/01/2007

ADAMS, ASOTIN; BENTON AND FRANKLIN (EXCEPT HANFORD SITE);  
CHELAN, COLUMBIA, DOUGLAS, FERRY, GARFIELD, GRANT, KITTITAS,  
LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA,  
WHITMAN AND YAKIMA COUNTIES

	Rates	Fringes
Painters:		
Application of Cold Tar		
Products, Epoxies, Polyure		
thanes, Acids, Radiation		
Resistant Material, Water		
and Sandblasting, Bridges,		
Towers, Tanks, Stacks,		
Steeple.....	\$ 20.84	7.38
Over 30'/Swing Stage Work..	\$ 21.54	7.38
Brush, Roller, Striping,		
Steam-cleaning and Spray....	\$ 15.09	6.18
Lead Abatement, Asbestos		

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



Abatement.....	\$ 20.84	7.38
TV Radio, Electrical		
Transmission Towers.....	\$ 21.59	7.38
Over 30'/Swing Stage Work..	\$ 22.29	7.38

\*\$.70 shall be paid over and above the basic wage rates listed for work on swing stages and high work of over 30 feet.

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PAIN0055-002 09/01/2007

CLARK, COWLITZ, KLINKITAT, PACIFIC, SKAMANIA, AND WAHIAKUM COUNTIES

	Rates	Fringes
Painters:		
Brush & Roller.....	\$ 19.29	7.05
High work - All work 60		
ft. or higher.....	\$ 20.04	7.05
Spray and Sandblasting.....	\$ 19.89	7.05

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PAIN0055-007 06/01/2007

CLARK, COWLITZ, KLINKITAT, SKAMANIA and WAHIAKUM COUNTIES

	Rates	Fringes
Painters:		
HIGHWAY & PARKING LOT		
STRIPER.....	\$ 28.27	8.27

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PLAS0072-004 06/01/2007

ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, KITTITAS, LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN, AND YAKIMA COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
ZONE 1:.....	\$ 24.68	7.98

Zone Differential (Add to Zone 1 rate): Zone 2 - \$2.00

BASE POINTS: Spokane, Pasco, Moses Lake, Lewiston  
Zone 1: 0 - 45 radius miles from the main post office  
Zone 2: Over 45 radius miles from the main post office

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PLAS0528-001 06/01/2007

CLALLAM, COWLITZ, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC, PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON, WAHIAKUM AND WHATCOM COUNTIES

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



	Rates	Fringes
Cement Masons:		
CEMENT MASON.....	\$ 32.69	11.89
COMPOSITION, COLOR MASTIC, TROWEL MACHINE, GRINDER, POWER TOOLS, GUNNITE NOZZLE.	\$ 33.19	11.89
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PLAS0555-002 06/01/2007		

CLARK, KLINKITAT AND SKAMANIA COUNTIES

ZONE 1:

	Rates	Fringes
Cement Masons:		
CEMENT MASONS DOING BOTH COMPOSITION/POWER MACHINERY AND SUSPENDED/HANGING SCAFFOLD..	\$ 26.61	14.83
CEMENT MASONS ON SUSPENDED, SWINGING AND/OR HANGING SCAFFOLD.....	\$ 26.10	14.83
CEMENT MASONS.....	\$ 25.59	14.83
COMPOSITION WORKERS AND POWER MACHINERY OPERATORS...	\$ 26.10	14.83

Zone Differential (Add To Zone 1 Rates):

Zone 2 - \$0.65  
Zone 3 - 1.15  
Zone 4 - 1.70  
Zone 5 - 3.00

BASE POINTS: BEND, CORVALLIS, EUGENE, MEDFORD, PORTLAND,  
SALEM, THE DALLES, VANCOUVER

ZONE 1: Projects within 30 miles of the respective city hall  
ZONE 2: More than 30 miles but less than 40 miles from the  
respective city hall.  
ZONE 3: More than 40 miles but less than 50 miles from the  
respective city hall.  
ZONE 4: More than 50 miles but less than 80 miles from the  
respective city hall.  
ZONE 5: More than 80 miles from the respective city hall

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\* PLUM0032-002 01/01/2008

CLALLAM, KING AND JEFFERSON COUNTIES

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 39.88	17.51
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PLUM0032-003 06/01/2007		

CHELAN, KITTITAS (NORTHERN TIP), DOUGLAS (NORTH), AND OKANOGAN

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



## (NORTH) COUNTIES

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 26.78	14.29

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PLUM0044-003 06/01/2007

ADAMS (NORTHERN PART), ASOTIN (CLARKSTON ONLY), FERRY (EASTERN PART), LINCOLN, PEND ORIELLE, STEVENS, SPOKANE, AND WHITMAN COUNTIES

	Rates	Fringes
Plumbers and Pipefitters ADAMS (NORTHERN PART), ASOTIN (CLARKSTON ONLY), FERRY (EASTERN PART), LINCOLN, PEND ORIELLE AND STEVENS AND SPOKANE COUNTIES.....	\$ 30.14	12.81
WHITMAN COUNTY.....	\$ 36.24	12.81

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PLUM0082-001 06/01/2007

CLARK (NORTHERN TIP INCLUDING WOODLAND), COWLITZ, GRAYS HARBOR, LEWIS, MASON (EXCLUDING NE SECTION), PACIFIC, PIERCE SKAMANIA, THURSTON AND WAHIAKUM COUNTIES

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 35.55	15.32

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PLUM0265-003 06/01/2007

ISLAND, SKAGIT, SNOHOMISH, SAN JUAN AND WHATCOM COUNTIES

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 35.55	15.32

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PLUM0290-003 10/01/2007

CLARK (ALL EXCLUDING NORTHERN TIP INCLUDING CITY OF WOODLAND)

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 34.99	16.34

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PLUM0598-005 06/01/2007

ADAMS (SOUTHERN PART), ASOTIN (EXCLUDING THE CITY OF CLARKSTON), BENTON, COLUMBIA, DOUGLAS (EASTERN HALF), FERRY (WESTERN PART), FRANKLIN, GARFIELD, GRANT, KITTITAS (ALL BUT NORTHERN TIP), KLIKITAT, LINCOLN (WESTERN PART), OKANOGAN (EASTERN), WALLA WALLA AND YAKIMA COUNTIES

## Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



	Rates	Fringes
PLUMBER.....	\$ 35.69	18.55
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PLUM0631-001 06/01/2007		

MASON (NE SECTION), AND KITSAP COUNTIES

	Rates	Fringes
Plumbers and Pipefitters		
All new construction, additions, and remodeling of commercial building projects such as: cocktail lounges and taverns, professional buildings, medical clinics, retail stores, hotels and motels, restaurants and fast food types, gasoline service stations, and car washes where the plumbing and mechanical cost of the project is less than \$100,000.....		
	\$ 27.39	11.18
All other work where the plumbing and mechanical cost of the project is \$100,000 and over.....		
	\$ 34.90	15.32
-----		
TEAM0037-002 06/01/2007		

CLARK, COWLITZ, KLUCKITAT, PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), SKAMANIA, AND WAHAKIAKUM COUNTIES

	Rates	Fringes
Truck drivers:		
ZONE 1		
GROUP 1.....	\$ 25.65	11.63
GROUP 2.....	\$ 25.77	11.63
GROUP 3.....	\$ 25.90	11.63
GROUP 4.....	\$ 26.16	11.63
GROUP 5.....	\$ 26.38	11.63
GROUP 6.....	\$ 26.54	11.63
GROUP 7.....	\$ 26.74	11.63

Zone Differential (Add to Zone 1 Rates):

Zone 2 - \$0.65  
 Zone 3 - 1.15  
 Zone 4 - 1.70  
 Zone 5 - 2.75

BASE POINTS: ASTORIA, THE DALLES, LONGVIEW AND VANCOUVER

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



ZONE 1: Projects within 30 miles of the respective city hall.

ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.

ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.

ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.

ZONE 5: More than 80 miles from the respective city hall.

#### TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: A Frame or Hydra lift truck w/load bearing surface; Articulated Dump Truck; Battery Rebuilders; Bus or Manhaul Driver; Concrete Buggies (power operated); Concrete Pump Truck; Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations there of: up to and including 10 cu. yds.; Lift Jitneys, Fork Lifts (all sizes in loading, unloading and transporting material on job site); Loader and/or Leverman on Concrete Dry Batch Plant (manually operated); Pilot Car; Pickup Truck; Solo Flat Bed and misc. Body Trucks, 0-10 tons; Truck Tender; Truck Mechanic Tender; Water Wagons (rated capacity) up to 3,000 gallons; Transit Mix and Wet or Dry Mix - 5 cu. yds. and under; Lubrication Man, Fuel Truck Driver, Tireman, Wash Rack, Steam Cleaner or combinations; Team Driver; Slurry Truck Driver or Leverman; Tireman

GROUP 2: Boom Truck/Hydra-lift or Retracting Crane; Challenger; Dumpsters or similar equipment all sizes; Dump Trucks/Articulated Dumps 6 cu to 10 cu.; Flaherty Spreader Driver or Leverman; Lowbed Equipment, Flat Bed Semi-trailer or doubles transporting equipment or wet or dry materials; Lumber Carrier, Driver-Straddle Carrier (used in loading, unloading and transporting of materials on job site); Oil Distributor Driver or Leverman; Transit mix and wet or dry mix trucks: over 5 cu. yds. and including 7 cu. yds.; Vacuum Trucks; Water truck/Wagons (rated capacity) over 3,000 to 5,000 gallons

GROUP 3: Ammonia Nitrate Distributor Driver; Dump trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 10 cu. yds. and including 30 cu. yds. includes Articulated Dump Trucks; Self-Propelled Street Sweeper; Transit mix and wet or dry mix truck: over 7 cu yds. and including 11 cu yds.; Truck Mechanic-Welder-Body Repairman; Utility and Clean-up Truck; Water Wagons (rated capacity) over 5,000 to 10,000 gallons

GROUP 4: Asphalt Burner; Dump Trucks, side, end and bottom dumps, including Semi-Trucks and Trains or combinations thereof: over 30 cu. yds. and including 50 cu. yds. includes Articulated Dump Trucks; Fire Guard; Transit Mix

#### Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



and Wet or Dry Mix Trucks, over 11 cu. yds. and including 15 cu. yds.; Water Wagon (rated capacity) over 10,000 gallons to 15,000 gallons

GROUP 5: Composite Crewman; Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 50 cu. yds. and including 60 cu. yds. includes Articulated Dump Trucks

GROUP 6: Bulk Cement Spreader w/o Auger; Dry Pre-Batch concrete Mix Trucks; Dump trucks, side, end and bottom dumps, including Semi Trucks and Trains of combinations thereof: over 60 cu. yds. and including 80 cu. yds., and includes Articulated Dump Trucks; Skid Truck

GROUP 7: Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 80 cu. yds. and including 100 cu. yds., includes Articulated Dump Trucks; Industrial Lift Truck (mechanical tailgate)

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\* TEAM0174-001 06/01/2007

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES

	Rates	Fringes
Truck drivers:		
ZONE A:		
GROUP 1:.....	\$ 29.42	12.48
GROUP 2:.....	\$ 28.71	12.48
GROUP 3:.....	\$ 26.18	12.48
GROUP 4:.....	\$ 21.69	12.48
GROUP 5:.....	\$ 29.07	12.48

ZONE B (25-45 miles from center of listed cities\*): Add \$.70 per hour to Zone A rates.

ZONE C (over 45 miles from centr of listed cities\*): Add \$1.00 per hour to Zone A rates.

\*Zone pay will be calculated from the city center of the following listed cities:

BELLINGHAM	CENTRALIA	RAYMOND	OLYMPIA
EVERETT	SHELTON	ANACORTES	BELLEVUE
SEATTLE	PORT ANGELES	MT. VERNON	KENT
TACOMA	PORT TOWNSEND	ABERDEEN	BREMERTON

#### TRUCK DRIVERS CLASSIFICATIONS

GROUP 1 - "A-frame or Hydralift" trucks and Boom trucks or similar equipment when "A" frame or "Hydralift" and Boom truck or similar equipment is used; Buggymobile; Bulk Cement Tanker; Dumpsters and similar equipment,

#### Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



Tournorockers, Tournowagon, Tournotrailer, Cat DW series, Terra Cobra, Le Tourneau, Westinghouse, Athye Wagon, Euclid Two and Four-Wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump Trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with 16 yards to 30 yards capacity: Over 30 yards \$.15 per hour additional for each 10 yard increment; Explosive Truck (field mix) and similar equipment; Hyster Operators (handling bulk loose aggregates); Lowbed and Heavy Duty Trailer; Road Oil Distributor Driver; Spreader, Flaherty Transit mix used exclusively in heavy construction; Water Wagon and Tank Truck-3,000 gallons and over capacity

GROUP 2 - Bulllifts, or similar equipment used in loading or unloading trucks, transporting materials on job site; Dumpsters, and similar equipment, Tournorockers, Tournowagon, Turnotrailer, Cat. D.W. Series, Terra Cobra, Le Tourneau, Westinghouse, Athye wagon, Euclid two and four-wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with less than 16 yards capacity; Flatbed (Dual Rear Axle); Grease Truck, Fuel Truck, Greaser, Battery Service Man and/or Tire Service Man; Leverman and loader at bunkers and batch plants; Oil tank transport; Scissor truck; Slurry Truck; Sno-Go and similar equipment; Swampers; Straddler Carrier (Ross, Hyster) and similar equipment; Team Driver; Tractor (small, rubber-tired)(when used within Teamster jurisdiction); Vacuum truck; Water Wagon and Tank trucks-less than 3,000 gallons capacity; Winch Truck; Wrecker, Tow truck and similar equipment

GROUP 3 - Flatbed (single rear axle); Pickup Sweeper; Pickup Truck. (Adjust Group 3 upward by \$2.00 per hour for onsite work only)

GROUP 4 - Escort or Pilot Car

GROUP 5 - Mechanic

#### HAZMAT PROJECTS

Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:

LEVEL C: +\$.25 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B: +\$.50 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit."

LEVEL A: +\$.75 per hour - This level utilizes a fully-encapsulated suit with a self-contained breathing apparatus or a supplied air line.

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TEAM0760-002 06/01/2007

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY,  
FRANKLIN, GARFIELD, GRANT KITTITAS, LINCOLN, OKANOGAN, PEND  
OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA  
COUNTIES

	Rates	Fringes
Truck drivers: (ANYONE WORKING ON HAZMAT JOBS SEE FOOTNOTE A BELOW)		
ZONE 1:		
GROUP 1.....	\$ 19.27	10.70
GROUP 2.....	\$ 21.54	10.70
GROUP 3.....	\$ 22.04	10.70
GROUP 4.....	\$ 22.37	10.70
GROUP 5.....	\$ 22.48	10.70
GROUP 6.....	\$ 22.65	10.70
GROUP 7.....	\$ 23.18	10.70
GROUP 8.....	\$ 23.51	10.70

Zone Differential (Add to Zone 1 rate: Zone 2 - \$2.00)

BASE POINTS: Spokane, Moses Lake, Pasco, Lewiston

Zone 1: 0-45 radius miles from the main post office.

Zone 2: Outside 45 radius miles from the main post office

#### TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Escort Driver or Pilot Car; Employee Haul; Power  
Boat Hauling Employees or Material

GROUP 2: Fish Truck; Flat Bed Truck; Fork Lift (3000 lbs. and  
under); Leverperson (loading trucks at bunkers); Trailer  
Mounted Hydro Seeder and Mulcher; Seeder & Mulcher;  
Stationary Fuel Operator; Tractor (small, rubber-tired,  
pulling trailer or similar equipment)

GROUP 3: Auto Crane (2000 lbs. capacity); Buggy Mobile &  
Similar; Bulk Cement Tanks & Spreader; Dumptor (6 yds. &  
under); Flat Bed Truck with Hydraulic System; Fork Lift  
(3001-16,000 lbs.); Fuel Truck Driver, Steamcleaner &  
Washer; Power Operated Sweeper; Rubber-tired Tunnel Jumbo;  
Scissors Truck; Slurry Truck Driver; Straddle Carrier  
(Ross, Hyster, & similar); Tireperson; Transit Mixers &  
Truck Hauling Concrete (3 yd. to & including 6 yds.);  
Trucks, side, end, bottom & articulated end dump (3 yards  
to and including 6 yds.); Warehouseperson (to include  
shipping & receiving); Wrecker & Tow Truck

GROUP 4: A-Frame; Burner, Cutter, & Welder; Service Greaser;  
Trucks, side, end, bottom & articulated end dump (over 6  
yards to and including 12 yds.); Truck Mounted Hydro  
Seeder; Warehouseperson; Water Tank truck (0-8,000 gallons)

GROUP 5: Dumptor (over 6 yds.); Lowboy (50 tons & under);

#### Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



Self- loading Roll Off; Semi-Truck & Trailer; Tractor with Steer Trailer; Transit Mixers and Trucks Hauling Concrete (over 6 yds. to and including 10 yds.); Trucks, side, end, bottom and end dump (over 12 yds. to & including 20 yds.); Truck-Mounted Crane (with load bearing surface either mounted or pulled, up to 14 ton); Vacuum Truck (super sucker, guzzler, etc.)

GROUP 6: Flaherty Spreader Box Driver; Flowboys; Fork Lift (over 16,000 lbs.); Dumps (Semi-end); Mechanic (Field); Semi- end Dumps; Transfer Truck & Trailer; Transit Mixers & Trucks Hauling Concrete (over 10 yds. to & including 20 yds.); Trucks, side, end, bottom and articulated end dump (over 20 yds. to & including 40 yds.); Truck and Pup; Tournarocker, DWs & similar with 2 or more 4 wheel-power tractor with trailer, gallonage or yardage scale, whichever is greater Water Tank Truck (8,001- 14,000 gallons); Lowboy(over 50 tons)

GROUP 7: Oil Distributor Driver; Stringer Truck (cable oeprated trailer); Transit Mixers & Trucks Hauling Concrete (over 20 yds.); Truck, side, end, bottom end dump (over 40 yds. to & including 100 yds.); Truck Mounted Crane (with load bearing surface either mounted or pulled (16 through 25 tons);

GROUP 8: Prime Movers and Stinger Truck; Trucks, side, end, bottom and articulated end dump (over 100 yds.); Helicopter Pilot Hauling Employees or Materials

Footnote A - Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in additon to the classification working in as follows:

LEVEL C-D: - \$.50 PER HOUR (This is the lowest level of protection. This level may use an air purifying respirator or additional protective clothing.

LEVEL A-B: - \$1.00 PER HOUR (Uses supplied air is conjunction with a chemical spash suit or fully encapsulated suit with a self-contained breathing apparatus.

Employees shall be paid Hazmat pay in increments of four(4) and eight(8) hours.

NOTE:

Trucks Pulling Equipment Trailers: shall receive \$.15/hour over applicable truck rate

-----  
WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.  
=====

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after

Wage Determinations

WA PRA-MORA 10(11), SR 123 and SR 410-1c



award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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In the listing above, the "SU" designation means that rates listed under the identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

-----

#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.



3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

=====

END OF GENERAL DECISION



RESERVED





# ATTENTION

The following Special Contract Requirements (SCRs) are only a portion of the specifications for this project. These SCRs amend and supplement the Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-03. The FP-03 U.S. Customary Units is a separately published book. In order to understand the solicitation properly you need to have the FP-03 U.S. Customary Units as well as this packet. Pay particular attention to the provisions of Subsection 104.04 in the FP-03. This Subsection explains how each of the many contract documents fit together.

If you would like to view the FP-03 U.S. Customary Units electronically, go to:  
<http://www.wfl.fha.dot.gov/design/specs/fp03.htm>

If you would like a printed copy of the FP-03 U.S. Customary Units, contact the:

Contracts Section  
Federal Highway Administration  
Western Federal Lands Highway Division  
610 East Fifth Street  
Vancouver, WA 98661  
Phone: 360.619.7520  
Fax: 360.619.7520  
E-mail: [contracts@mail.wfl.fha.dot.gov](mailto:contracts@mail.wfl.fha.dot.gov)

(printed copies of the FP-03 will be distributed to the successful bidder)



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## Section 101.— TERMS, FORMAT, AND DEFINITIONS

### 101.04 Definitions. Add the following:

**Holidays** — Holidays occur on the following days:

- 1st day of January - New Year's Day;
- 3rd Monday of January - Martin Luther King, Jr. Day;
- 3rd Monday in February - Presidents' Day;
- Last Monday in May - Memorial Day;
- 4th day of July - Independence Day;
- 1st Monday in September - Labor Day;
- 2nd Monday in October - Columbus Day;
- 11th day in November - Veterans Day;
- 4th Thursday in November - Thanksgiving Day;
- 25th day in December - Christmas Day;
- Other days declared holidays by the Congress or the President;
- If a holiday falls on a Saturday, the preceding Friday is also a legal holiday. If a holiday falls on a Sunday, the Monday following is also a legal holiday.

**SE/P<sub>75</sub> Index (SEP)** — SE/P<sub>200</sub> Index (SEP) is a measure of a material's ability to perform based on the quality and quantity of fines present. The quality is represented by the sand equivalent (SE) and quantity is represented by the percent passing the No. 200 (P<sub>200</sub>). The SEP is computed as follows:

$$\text{For an } SE \geq 29, SEP = \frac{SE}{P_{200} + 25}$$

$$\text{For an } SE < 29, SEP = \frac{SE + 4}{SE + P_{200}}$$

Where:

SE = Plastic fines in graded aggregates and soils by using the sand equivalent test AASHTO T 176, Alternate Method No. 2, Referee Method

P<sub>200</sub> = Material finer than No. 200 Sieve in mineral aggregates by washing AASHTO T 11



## **Section 102.— BID, AWARD, AND EXECUTION OF CONTRACT**

### **102.05A Contract Award.** (Added Subsection.)

FAR Provision 52.214-19, Contract Award - Sealed Bidding - Construction is supplemented as follows.

The successful offeror will be awarded all pay items listed in the bid schedule.

### **102.06 Performance and Payment Bonds.** Delete the text of the first paragraph and substitute with the following:

Follow the requirements of FAR Clause 52.228-15 Performance and Payment Bonds – Construction. Furnish a performance bond and a payment bond each in the penal amount of 100 percent of the original contract price.



## **Section 103.— SCOPE OF WORK**

### **103.01 Intent of Contract.** Add the following:

Additional work on sites within or in the vicinity of the project may be requested by the CO. Such work generally will be in response to natural disasters. This paragraph does not affect the respective responsibilities of the parties under Subsection 107.06. Provide cost proposals and perform work as ordered by the CO.

### **103.06 Issue Resolution.** (Added Subsection.)

Resolve project issues at the lowest authorized level and in the most expedient manner possible. Escalate unresolved issues to the next higher level in a timely manner to avoid adverse impacts to costs, risks, or time. Either party may request an issue be escalated. Submit requests in writing. Upon the request of either party, both parties must escalate the issue. An exception to escalating an issue may be observed when both parties agree extra time is needed for the development of facts.

Decision making is encouraged to be made at the lowest authorized level. Recommendations, options, and ideas by all team members are requested. Decisions made at the lowest level possible will be supported by all management levels. Countermands of decisions will not be permitted, except where there is a conflict with code, regulation, law, the contract, or a change of critical facts or information which causes a re-evaluation of the resolution. Support of a countermand by the original decision team is critical. All Contractor and Government team members must understand why the change is necessary and must be able to support it.



## Section 104.— CONTROL OF WORK

### 104.03 Specifications and Drawings. Add the following paragraph:

**(c) As-built working drawings.** Furnish two as-built working drawings. The Government will provide two sets of contract drawings to be used exclusively for recording the as-built details of the project. Use red pencil or red ink to record the information described below.

Note all additions or revisions to the location, character, and dimensions of the prescribed work shown on the contract drawings. Line out all details shown that are not applicable to the completed work. Check off details shown that were incorporated into the completed work without change.

Retain the drawings at the project site and, as work progresses, continuously update them to reflect the as-built details. Upon request, make the drawings available to the CO to review for compliance with these specifications.

As a minimum, show the following types of changes on the as-built drawings:

**(1) Typical section(s)**

(a) Revisions in dimensions; and

(b) Revisions in materials.

**(2) Plan and profile**

(a) Plan

(1) Revisions to the alignment;

(2) Changes in the construction limits;

(3) Revisions in location, type, and grade of road approaches;

(4) Location and type of utilities;

(5) Location, size, and type of underdrains;

(6) Skew of culverts;

(7) Channel changes;

(8) Location of monuments and permanent references;



*(b)* Profile

- (1)* Revisions to grades, elevations, and stationing of intersection PIs;
- (2)* Equations;
- (3)* Culvert diameter, length, type, and stationing;
- (4)* Length of culvert extension. and length of existing culvert;
- (5)* Location, length, stationing, and type of retaining walls; and
- (6)* Location, length, stationing, and end treatment of guardrail.

**(3)** Miscellaneous

- (a)* Revisions to parking areas or turnouts; and
- (b)* Final location, type and length of curbs, sidewalks, etc.

Furnish the as-built working drawings to the CO before the final inspection. Correct all details found during the final inspection that are not shown on the as-built drawings and return to the CO within 5 working days.



## **Section 105.— CONTROL OF MATERIAL**

### **105.02 Material Sources.** Amend as follows:

#### **(a) Government-provided sources.** Add the following:

There are no Government-provided sources for this project.

#### **(b) Contractor-located sources.** Add the following to the first paragraph:

Obtain permits according to Subsection 107.10.

Use only commercial or other sources located outside the Park boundary. Source on private “in-holder” lands within the Park boundaries will not be permitted.

Subsurface material, that has not been exposed to weed sources, may be acceptable upon inspection by the park. Park will inspect and approve all proposed material sources prior to use or transport to the Park. Notify the CO at least 14 working days in advance, to allow for park inspection of proposed source.

The following sources have been found to be weed-free:

Glacier Northwest, White River  
Enumclaw, WA

Randle Sand and Gravel, Lynch Creek Quarry  
Eatonville, WA

### **105.04 Storing and Handling Material.** Delete the text of the second paragraph and substitute with the following:

**(a)** Use turnouts at the locations shown on drawings for staging areas; for storage of materials, such as culverts, geotextile fabric, recycled aggregate, temporary traffic control devices, conserved topsoil; and for equipment parking.

**(b)** Use the parking area at turnout 123-21, shown on the plans, for a staging area; for storage of material such as culverts, recycled aggregate, and geotextile fabric; for equipment parking; and a office trailer. Confine use of the parking area to the limits of existing disturbance. Install temporary plastic fence and silt fence around the perimeter of the parking area before use.



In addition to the requirements of Section 107, comply with the following:

**(1)** Locate storage facilities for materials capable of causing water pollution to prevent accidental spillage into waters or channels leading into water.

**(c)** The parking lot at the junction of U.S. 12 and State Route 123 is a potential staging area for storage of material such as culverts and geotextile fabric; for equipment parking; and for an office trailer. The Contractor must obtain approval from the USDA Forest Service prior to use. In addition to the requirements of Section 107, comply with the following:

**(1)** Confine use of the parking lot to the limits of existing disturbance. Install temporary plastic fence and silt fence around the perimeter of the parking lot before use. Repair and restore the surface of the parking lot to the condition of the lot prior to commencement of work.



## **Section 106.— ACCEPTANCE OF WORK**

### **106.01 Conformity with Contract Requirements. Amend as follows:**

Delete the second paragraph and substitute with the following:

References to standard test methods of AASHTO, ASTM, GSA, and other recognized standard authorities refer to the methods in effect on the date of solicitation for bids. Use the 26<sup>th</sup> edition of the AASHTO Standard Specifications for Transportation Materials and Methods of Sampling and Testing, and Appendix A and B of the Federal Lands Highway Field Materials Manual for this project. Use the modified AASHTO procedures for sampling and testing contained in Appendix B of the Federal Lands Highway Field Materials Manual; except, when a specified sampling or test method is not included in Appendix B, sample and test according to the referenced AASHTO test procedure. Appendix A of the Federal Lands Highway Field Materials Manual contains several sampling and testing methods which may be required for this project that are not found in AASHTO.

Delete the eighth paragraph and substitute with the following:

Remove, repair, or replace work that does not conform to the contract, or to prevailing industry standards where no specific contract requirements are noted. Removing, repairing, or replacing work; providing temporary traffic control; and any other related work to accomplish conformity will be at no cost to the Government.

Add the following:

Obtain copies of the following documents by going to our webpage at:

<http://www.wfl.fha.dot.gov/construction/cmr/>

- Appendices A and B of the Federal Lands Highway Field Materials Manual, dated 02/10/97;
- Standard WFLHD Method of Test for Accelerated Weathering of Aggregate by Use of Dimethyl Sulfoxide (DMSO);
- Highway Research Board Bulletin No. 319, “The Humphres Method of Granular Soils”, dated 1962;
- Form FHWA-1641, “Worksheet for Superpave Asphalt Concrete Mix Design, AASHTO R 35”;
- Standard WFLHD Test Method for Determining Asphalt Content in Asphalt Paving Mixtures by the Ignition Method;



- Standard WFLHD Test Method for Determining Optimum Asphalt Content for Hot Open-Graded Asphalt Concrete Pavement; and
- Field Note Samples, dated April 2004.

**106.02 Visual Inspection.** Delete the text of this Subsection and substitute with the following:

Acceptance is based on visual inspection of the work for compliance with the specific contract requirements. In the absence of specific contract requirements or tolerances, prevailing industry standards may be used.

**106.03 Certification.** Add the following after the second paragraph:

Maintain records of all required certifications according to Subsections 103.04, 153.04, and 154.04. Submit certifications to the CO.

Check certifications, before incorporating the materials into the work, to ensure that the requirements of the contract have been met. Mark the certifications with the following information: project name, project number, contract item number, item description, Contractor's signature, and date.



Table 106-2 Pay Factors

PAY FACTOR		Minimum Required Percent of Work Within Specification Limits for a Given Pay Factor (P <sub>U</sub> + P <sub>L</sub> ) – 100																
Category		I	II	n=3	n=4	n=5	n=6	n=7	n=8	n=9	n=10 to n=11	n=12 to n=14	n=15 to n=17	n=18 to n=22	n=23 to n=29	n=30 to n=42	n=43 to n=66	n=67 to ∞
1.05									100	100	100	100	100	100	100	100	100	100
1.04								100	99	97	95	96	96	96	97	97	97	97
1.03							100	98	96	94	92	93	93	94	95	95	96	96
1.02							99	97	94	91	89	90	91	92	93	93	94	94
1.01					100	100	100	98	95	92	89	87	88	89	90	91	92	92
1.00				69	75	78	80	82	83	84	85	86	87	88	89	90	91	92
0.99				66	72	76	78	80	81	82	83	84	85	86	87	89	90	91
0.98				64	70	74	76	78	79	80	81	82	84	85	86	87	88	90
0.97				63	68	72	74	76	77	78	79	81	82	83	84	86	87	88
0.96				61	67	70	72	74	75	76	78	79	81	82	83	84	86	87
0.95	1.00		59	65	68	71	72	74	75	76	78	79	80	82	83	84	86	87
0.94	0.99		58	63	67	69	71	72	73	75	76	78	79	80	82	83	85	86
0.93	0.98		57	62	65	67	69	71	72	73	75	76	78	79	80	82	84	85
0.92	0.97		55	60	63	66	68	69	70	72	73	75	76	78	79	81	82	83
0.91	0.96		54	59	62	64	66	68	69	70	72	74	75	76	78	79	81	82
0.90	0.95		53	57	61	63	65	66	67	69	71	72	74	75	77	78	80	81
0.89	0.94		51	56	59	62	63	65	66	68	69	71	72	74	75	77	79	80
0.88	0.93		50	55	58	60	62	64	65	66	68	70	71	73	74	76	78	79
0.87	0.92		49	53	57	59	61	62	63	65	67	68	70	71	73	75	77	78
0.86	0.91		48	52	55	58	59	61	62	64	66	67	69	70	72	74	76	77

**Note:** If the value of  $(P_U + P_L) - 100$  does not correspond to a  $(P_U + P_L) - 100$  value in this table, use the next smaller  $(P_U + P_L) - 100$  value.

(continued)



**Table 106-2 Pay Factors (continued)**  
**Minimum Required Percent of Work Within Specification Limits for a Given Pay Factor ( $P_U + P_L$ ) - 100**

**PAY FACTOR**

Category		n=3	n=4	n=5	n=6	n=7	n=8	n=9	n=10 to n=11	n=12 to n=14	n=15 to n=17	n=18 to n=22	n=23 to n=29	n=30 to n=42	n=43 to n=66	n=67 to $\infty$
I	II															
0.85	0.90	46	51	54	56	58	60	61	62	64	66	67	69	71	72	75
0.84	0.89	45	49	53	55	57	58	60	61	63	65	66	68	70	71	73
0.83	0.88	44	48	51	54	56	57	58	60	62	64	65	67	69	70	72
0.82	0.87	43	47	50	53	54	56	57	59	61	62	64	66	67	69	71
0.81	0.86	41	46	49	51	53	55	56	58	59	61	63	64	66	68	70
0.80	0.85	40	44	48	50	52	54	55	56	58	60	62	63	65	67	69
0.79	0.84	39	43	46	49	51	52	54	55	57	59	61	62	64	66	68
0.78	0.83	38	42	45	48	50	51	52	54	56	58	59	61	63	65	67
0.77	0.82	36	41	44	46	48	50	51	53	55	57	58	60	62	64	66
0.76	0.81	35	39	43	45	47	49	50	52	54	56	57	59	61	63	65
0.75	0.80	33	38	42	44	46	48	49	51	53	54	56	58	60	62	64
<b>REJECT</b>	0.79	32	37	40	43	45	47	48	49	52	53	55	57	59	60	63
	0.78	30	36	39	42	44	45	47	48	50	52	54	56	57	59	62
	0.77	28	34	38	41	43	44	46	47	49	51	53	55	56	58	61
	0.76	27	33	37	39	42	43	45	46	48	50	52	53	55	57	60
	0.75	25	32	36	38	40	42	43	45	47	49	51	52	54	56	59

Values Less Than Those Shown Above

**Note:** If the value of  $(P_U + P_L) - 100$  does not correspond to a  $(P_U + P_L) - 100$  value in this table, use the next smaller  $(P_U + P_L) - 100$  value.



## **Section 107.— LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC**

### **107.01 Laws to be Observed.** Delete the third paragraph and substitute with the following:

Comply with the terms and conditions included in all permits and agreements obtained by the Government for performing the work included in this contract (See Section H). Notify the CO immediately of any changes, including modifications to government-obtained permits, or any additional permits or agreements that are required by the Contractor's methods of operation. Allow adequate time in the construction schedule for any additional permits or changes to government-obtained permits. Furnish copies of all acquired permits and agreements not in the contract.

Comply with the terms and conditions included in the Storm Water Pollution Prevention Plan in Section I. Maintain and update the Storm Water Pollution Prevention Plan according to Section 3.11 of the National Pollutant Discharge Elimination System (NPDES) in Section I.

Comply with the terms and conditions included in the Storm Water Pollution Prevention Plan (See Section I).

Submit the Certification Statement in the Storm Water Pollution Prevention Plan to the CO at least 2 days before beginning construction operations.

### **107.02 Protection and Restoration of Property and Landscape.** Add the following to the fourth paragraph:

Paleontological remains, archeological specimens, and ethnographic discoveries found within the construction area are the property of the National Park Service and will be removed only by the National Park Service or designated representatives. Should the Contractor's operations uncover, or the Contractor's employees find, any paleontological or archeological remains, the Contractor shall suspend operations at the site of discovery and notify the CO immediately of the findings. The notification will include a brief statement of the location and details of the finding. After assessment, depending on nature of discovery, work can likely continue with efforts to avoid or minimize harm to the resource.

### **107.03 Bulletin Board.** Add the following:

- (g) The "Beck" poster, according to FAR Clause 52.222-39 Notification of Employee Rights Concerning Payment of Union Dues or Fees.



**107.08 Sanitation, Health, and Safety.** Amend as follows:

Add the following after the first paragraph:

Submit an accident prevention plan for implementing safety and health standards at the Preconstruction Conference. Use the Government furnished Form WFLHD-28, *Guide Outline of Contractor's Accident Prevention Plan*.

Add the following:

Provide trash dumpsters with certified bear-proof cover lids to contain construction debris, garbage and trash. Provide portable toilets for use by contractor employees. Collect and dispose all waste material outside the Park and Forest Service Lands.

**107.10 Environmental Protection.** Delete the text of this Subsection and substitute with the following:

Conform to the following:

**(a) The Federal Water Pollution Control Act (33 USC § 1251 et seq.).**

(1) Except as authorized by this contract, do not operate mechanized equipment, discharge or place material within the boundaries of any U.S. waters as identified by the ordinary high water mark, high tide line, or edge of the wetland. This includes wetlands, unless authorized by a permit issued by the U.S. Army Corps of Engineers according to 33 USC § 1344, and if required by the state agency having jurisdiction over the discharge of material into the waters of the U.S. In the event of an unauthorized discharge:

- (a) immediately prevent further contamination;
- (b) immediately notify appropriate authorities and the CO; and
- (c) mitigate damages as required.

(2) Separate work areas, including material sources by the use of a suitable barrier that prevents sediment, petroleum products, chemicals, other liquids, or solid materials from entering the waters of the U.S. Construct and remove barriers to avoid discharge of material into the waters of the U.S. Remove and properly dispose of sediment or other material collected by the barrier.



**(b) Construction Activities Outside Construction Limits.** Before beginning construction activities outside the construction limits (such as material sources, disposal sites, waste areas, access roads, water sources, stockpiles and staging areas) that will require ground disturbance, occupation, clearing, or other environmental impacts provide the following documents.

The requirements below do not apply to commercial sources that are established, have provided material to public and private entities on a regular basis over the last two years, have appropriate State and local permits, and do not require expansion outside their currently established and permitted area.

**(1) Proposed Activity Description.** Submit a description, schedule, and location of the proposed activities for approval of the CO. Include maps of the area and other relevant information.

**(2) Cultural Resources.** Submit written documentation satisfactory to the CO for a finding of either “no historic properties affected” or “no effect” according to 36 CFR 800.4(d)(1) for historic properties on or eligible for listing to the National Register of Historic Places. Provide either:

*(a)* Documentation showing there are no cultural resources present, and a finding of either “no historic properties affected” or “no effect” according to 36 CFR 800.4(d)(1). Documents must be prepared by an individual qualified under the Secretary of the Interior’s Standards and Guidelines for Archeology and Historic Preservation, 48 FR 44716-44740.

Documentation must be satisfactory to the State Historic Preservations Officer (SHPO) or Tribal Historic Preservations Officer (THPO) as appropriate, according to 36 CFR 800.3(c).

The CO will forward the documentation to the SHPO or THPO. Anticipate a minimum of 30 days from receipt of the documentation by the SHPO or THPO before use of the site may be approved; or

*(b)* Documentation showing a finding of either “no historic properties affected” or “no effect” according to 36 CFR 800.4(d)(1) has been previously obtained for the proposed activities from the State, Tribal Government or Federal Land Management Agency responsible for the land. Include attached copies of SHPO concurrence, or Memorandum of Agreement (MOA) where concurrence is not required.



**(3) Species Protected Under the Endangered Species Act of 1973.** Submit written documentation satisfactory to the CO that the proposed action will have no effect to any threatened or endangered species or their critical habitat. Provide either:

(a) A current list of all threatened or endangered species in the site of proposed activities from the U.S. Fish and Wildlife Service; and a recommendation of a “no effect” determination according to Section 7 of the Endangered Species Act prepared by a biological specialist with a minimum of 3 years of experience in Endangered Species Act compliance or other qualifications acceptable to the CO. Allow up to 30 days to obtain the current list of all threatened or endangered species from the U.S. Fish and Wildlife Service; or

(b) Documentation showing the proposed activities have previously been determined to comply with the Endangered Species Act and this determination remains valid. This documentation must be from the State, Tribal Government or Federal Land Management Agency responsible for the land. Attach evidence of compliance, including correspondence with the U.S. Fish and Wildlife Service.

**(4) Wetlands as Defined by the U.S. Army Corps of Engineers’ 1987 Wetland Delineation Manual (WDM).** Submit written documentation satisfactory to the CO, that the that the proposed action will comply with Section 404 of the Clean Water Act, Executive Order 11990, and will not affect any wetlands. Documentation must be prepared by a wetland specialist with a minimum of 3 years of experience in wetland delineation using WDM or other qualifications acceptable to the CO.

**(5) Federal Lands.** Before use of sites on federal lands, submit a copy of the Letter of Approval or Special Use Permit from the applicable federal agency allowing use of the site for intended purposes.

**(6) Tribal, State and Local Approvals.** Comply with applicable laws regarding the proposed activities. Submit copies of required clearances, including hazardous waste compliance, tribal, State and local permits and approvals.

Allow 12 days (in addition to other agency time requirements) for approval of documents submitted to the CO.

**(c) Oil and Hazardous Substances.** Submit a Hazardous Spill Plan describing what actions will be taken in case of a spill, and incorporate preventative measures to be implemented (such as the placement of refueling facilities, storage and handling of hazardous materials, etc).

Submit the plan at least 5 days before beginning work.



Repair leaks on equipment immediately. Do not use equipment that is leaking. Keep a supply of acceptable absorbent materials at the job site in the event of spills. Acceptable absorbent materials are those that are manufactured specifically for the containment and clean up of hazardous materials.

Immediately notify the CO of all hazardous spills.

**(d) Noxious Weeds.** Due to the presence of noxious weeds and exotic species within the project limits, comply with the following:

**(1)** The CO will inspect all contractor's vehicles and equipment (including hydroseeding equipment holding tanks) prior to their entry into the Park for mud, weeds, weed seeds and other unwanted substances. Pressure wash all earthmoving equipment (excluding hauling vehicles) before entering the Park. Pressure wash hauling vehicles before their first entrances into the Park. Pressure wash hauling vehicles that have previously transported weed contaminated material before transporting clean material; subsequent entries into the Park will not require pressure washing unless the vehicle shows signs of mud, plant material, or as requested by the CO. Notify the CO a minimum of 48 hours prior to initial entry of vehicles to the Park. The CO will make arrangements for the inspections.

**(2)** Cover haul loads to reduce exposure of noxious weeds while transporting rock or soil to and from the Park boundary. All salvaged subexcavation material used to construct berms, must be used on berms in the same soil zone where it was salvaged. Salvaged material may be used to construct berms in an adjacent soil zone upon park approval. If salvaged material is used to construct berms in an adjacent soil zone then it must be stored in that zone at all times, or if not, covered from top to bottom with a breathable water repellent fabric to protect against spreading weeds.

**(3)** Cover conserved and manufactured topsoil stockpiles with a breathable water repellent fabric. Anchor the fabric around the perimeter to hold it in place.

**(e)** Nine soil weed zones have been identified on the plans. Do not transfer excess conserved topsoil or conserved debris from between zones. Perform the following:

**(1)** Mark or flag the beginning and ending of each zone.

**(2)** Clean all vehicles and construction equipment showing signs of mud or plant material before moving them into different zones or leaving the project site to reduce noxious weeds from spreading. Clean equipment by brushing to remove material deposited on wheels, bumpers and other exposed surfaces. Cleaning is not required when moving vehicles and construction equipment between zones provided they are clean and free of mud and/or plant material.

**(3)** Do not transfer excess conserved topsoil or conserved debris from clearing and grubbing operations between zones unless directed by CO.



(4) Store all subexcavation material at turnouts 123-5 and 123-6. Dispose of all unsuitable materials off site or use in construction of berms as directed by the CO.

(f) Perform all culvert installations during low flow.

(g) Provide access to regulatory inspectors upon demand.

**107.11 Protection of Forest, Parks and Public Lands.** Add the following:

Take every precaution and make every effort to protect the delicate environment of Mt. Rainier National Park. Comply with the following:

(a) Do not operate or store equipment or vehicles leaking oil, gas, or anti-freeze. Do not drain oil, hydraulic fluids, anti-freeze or other chemicals on to the ground. Completely contain fuels and petroleum products at the work site. Clean up any spills immediately.

(b) To prevent unnatural attractants to bears: no food, pet food, garbage, drinks, trash, or food and drink containers will be placed outside vehicles, pickups, trailers, or trash dumpsters except during actual use.

(c) Employees' private vehicles will be limited to parking at designated locations according to Subsection 105.04.

(d) To the extent possible confine all operations within the limits of the damage areas.

(e) Do not allow equipment to idle longer than 15 minutes when not in use.

(f) Equip all motor vehicles and equipment at all times with mufflers conforming to original manufacturers specifications that are in good working order and that are in constant operations to prevent excessive or unusual noise, fumes, or smoke.

(g) Install and maintain mufflers and sound attenuation devices (such as rubber strips or sheeting) on all equipment. This includes truck tail and other gate dampeners (both opening and closing) for all dump trucks on the project.

(h) Use only well maintained and properly functioning equipment.

(i) Use vegetable oil in place of hydraulic fluid for all heavy equipment.

(j) Use of muffled engine brakes, also known as 'Jake Brakes', is prohibited in the Park prior to July 15. Use of these is limited to the minimum necessary for safety after this date.

(k) Use of airhorns within the Park are limited to emergencies only.

(l) No asphalt batch plants or rock crushing plants are allowed within the Park boundaries.



- (m)** Report any roadkill to the CO immediately.
- (n)** Spotted owl territories are known to exist within the project area. The contractor may pass thru territories, but no work will be permitted inside of owl territories from March 15<sup>th</sup> to July 15<sup>th</sup>. The Park will provide milemarkers for each territory by June 1<sup>st</sup>.
- (o)** Do not refuel vehicles within 100 feet of rivers, streams, or identified wetlands.
- (p)** If on site fuel storage tanks are used, approved spill containment devices shall be used.
- (q)** Do not perform any activity within ½ mile by line of sight of an occupies bald eagle nest or nocturnal roost site, between January 1 and March 31.



**Section 108.— PROSECUTION AND PROGRESS****108.01 Commencement, Prosecution, and Completion of Work.** Add the following:

Furnish notification at least 14 days in advance of any change to the current work shift schedule.

Furnish notification at least 48 hours in advance to beginning the start-up phase in Section 153.

Perform work under this contract according to the following:

- (a) Limit work as provided in Subsections 107.10, 156.03 and 156.06.
- (b) Follow continuous cold recycled asphalt base course operations with placement of the sealing coat within the same workshift. Do not disturb the existing pavement structure used by traffic for a total of more than two miles ahead of the completed sealing coat.
- (c) Drivers will not be permitted to work more than 12 hours per day on this project. Work includes the maintenance or repair of construction vehicles.
- (d) Limit haul speeds on un-posted roads to 20 miles per hour. Pursuant to FAR Clause 52.236-5, remove from the project any driver who receives two traffic citations for exceeding the posted speed limit while driving within Mt. Rainier National Park.
- (e) Complete mainline paving by September 15<sup>th</sup>.



(f) Do not perform construction operations from sunset to sunrise. See Table for times:

**2008 Sunrise/Sunset Times**  
Add one hour for daylight time when in use.

Day	May		June		July		Aug		Sept		Oct		Nov	
	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set
1	546	1838	451	1920	416	1957	416	2007	447	1940	528	1847	608	1746
2	544	1840	449	1921	415	1958	417	2007	449	1939	529	1845	609	1744
3	542	1841	448	1923	415	1958	418	2007	450	1937	530	1843	610	1742
4	540	1843	446	1924	414	1959	418	2006	451	1936	532	1841	612	1740
5	538	1844	445	1925	414	2000	419	2006	452	1934	533	1839	613	1738
6	536	1845	443	1927	413	2001	420	2005	454	1933	534	1837	614	1736
7	534	1847	442	1928	413	2001	421	2005	455	1931	536	1835	616	1735
8	532	1848	440	1929	412	2002	421	2004	456	1930	537	1833	617	1733
9	530	1849	439	1931	412	2003	422	2004	458	1928	538	1831	619	1731
10	528	1851	438	1932	412	2003	423	2003	459	1927	540	1829	620	1729
11	526	1852	436	1933	412	2004	424	2003	500	1925	541	1827	621	1727
12	524	1854	435	1934	412	2005	425	2002	502	1923	542	1825	623	1725
13	523	1855	434	1936	411	2005	426	2001	503	1922	544	1823	624	1723
14	521	1856	432	1937	411	2006	427	2000	504	1920	545	1821	626	1721
15	519	1858	431	1938	411	2006	428	2000	505	1918	546	1819	627	1719
16	517	1859	430	1939	411	2006	429	1959	507	1916	548	1817	629	1717
17	515	1901	429	1941	411	2007	430	1958	508	1915	549	1815	630	1716
18	513	1902	428	1942	412	2007	431	1957	509	1913	550	1813	631	1714
19	511	1903	427	1943	412	2007	432	1956	511	1911	552	1811	633	1712
20	510	1905	426	1944	412	2007	433	1955	512	1909	553	1809	634	1710
21	508	1906	425	1945	412	2008	434	1954	513	1908	554	1806	636	1708
22	506	1907	424	1947	412	2008	435	1953	515	1906	555	1804	637	1707
23	504	1909	423	1948	413	2008	437	1952	516	1904	557	1802	639	1705
24	503	1910	422	1949	413	2008	438	1951	517	1902	558	1800	640	1703
25	501	1912	421	1950	413	2008	439	1949	519	1900	559	1758	642	1702
26	459	1913	420	1951	414	2008	440	1948	520	1858	601	1756	643	1700
27	458	1914	419	1952	414	2008	441	1947	521	1856	602	1754	645	1658
28	456	1916	418	1953	415	2008	442	1946	523	1854	604	1752	646	1657
29	454	1917	418	1954	415	2008	444	1944	524	1853	605	1750	648	1655
30	417	1955	416	2007	445	1943	525	1851	606	1748	649	1654	733	1620
31	416	1956			446	1942	526	1849			651	1652		

(g) Do not perform construction operations on any holiday or between 12:00pm on Friday and 6:00am the following Tuesday of the Memorial Day and Labor Day weekends.

(h) Do not perform construction operations between sunset on Friday and sunrise the following Monday of non-holiday weekends.



(i) Full closure permitted Monday thru Thursday after Labor Day weekend.

(j) Complete all work at the Tipsoo Lake area, SR 410 Stations 193+80 to 210+00, by September 10<sup>th</sup>.

**108.01A Labor.** (Added Subsection.)

Follow the requirements of FAR Clause 52.222-6 Davis Bacon Act.

Adjacent or virtually adjacent work sites are defined to be work sites within ½ mile of the project. Application of the Davis-Bacon Act for work sites beyond ½ mile of the project will be determined by the CO.

**108.02 Subcontracting.** Amend as follows:

Delete the first paragraph and substitute with the following:

FAR clauses 52.219-4, Notice of Price Evaluation Preference for HUBZone Small Business Concerns, 52.222-11 Subcontracts (Labor Standards), and 52.236-1, Performance of Work by the Contractor are supplemented as follows.

Delete the fourth paragraph and substitute with the following:

In FAR Clauses 51.219-8, Utilization of Small Business Concerns and 52.237-27, Prompt Payment for Construction Contracts, the subcontracts include both on-site work and supply contracts.

Evaluate the percentage of the cost of contract performance incurred for personnel in FAR Clause 52.219-4, Notice of Price Evaluation Preference for HUBZone Small Business Concerns, according to the following formula:

$$P = H / T$$

Where:

P = Percent of the cost of contract performance incurred for personnel working for HUBZone firms.

T = Total wages/benefits paid during the life of the contract. Certified payrolls will be used to determine Davis-Bacon wages and benefits paid. Submit certified statements at least monthly declaring the wages and benefits paid to non-Davis Bacon personnel under this contract.



H = Total wages/benefits paid to employees working for HUBZone firms (prime and subcontractors).

In FAR Clause 52.236-1, Performance of Work by the Contractor, the percentage of work performed on-site by the Contractor will be computed as 100% less the combined initial dollar amount of all subcontracts involving on-site labor as a percent of the original dollar amount of the contract.

**108.02A Prime HUBZone Contractors and subcontracting.** (Added Subsection.)

Follow the requirements of §126.700 of Title 13 of the Code of Federal Regulations (13 CFR 126.700). In addition to the requirements in paragraph (d)(3) of FAR Clause 52.219-4 Notice of Price Evaluation Preference for HUBZone Small Business Concerns (SBCs) comply with the following:

- At least 50 percent of the cost of the contract performance incurred for personnel will be spent on the Prime HUBZone contractor's employees or the employees of other qualified HUBZone small business concerns.
- The above requirement may be met by expending at least 50% of the cost of the contract incurred for personnel on the Prime HUBZone contractor's employees or it may subcontract up to 35% of the cost of the contract performance incurred for personnel to one or more qualified HUBZone SBCs.
- A qualified Prime HUBZone SBC may not subcontract more than 50% of the cost of the contract incurred for personnel to non-qualified HUBZone SBCs.

**108.04 Failure to Complete Work on Time.** Delete the text and table of this Subsection and substitute with the following:

Follow the requirements of FAR Clause 52.211-12 Liquidated Damages - Construction.

Liquidated damages in the amount specified in Table 108-1 will be assessed for each calendar day beyond the time specified in the contract until substantial completion of the work.

Liquidated damages will not be assessed for the following:

- (a) The day of the final inspection.
- (b) Days required to perform work added to the contract after substantial completion including items identified during the final inspection that were not required before that time.
- (c) Delays by the Government after all work is complete and before a formal acceptance is executed.
- (d) Periods of time when all work is complete but acceptance is delayed pending the plant establishment period or similar warranty period.
- (e) During winter shutdown periods ordered by the CO.

Special Contract Requirements

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



**Table 108-1**  
**Charge for Liquidated Damages for Each Day**  
**Work Is Not Substantially Completed**

Original Contract Price		Daily Charge
From More Than —	To and Including —	
\$ 0	\$ 1,000,000	\$ 500
1,000,000	2,000,000	1,100
2,000,000	5,000,000	2,200
5,000,000	10,000,000	2,700
10,000,000	and more	3,300



## Section 109.— MEASUREMENT AND PAYMENT

**109.01 Measurement of Work.** Delete the first sentence of paragraph six and substitute with the following:

Prepare pay item measurement notes on “*Record of Miscellaneous Items*” (Form FHWA 17348). For an electronic version of the form go to:

<http://www.wfl.fha.dot.gov/other/it/forms/17348.pdf>.

**109.02 Measurement Terms and Definitions.** Amend the following:

Delete the second paragraph (b) and substitute with the following:

**(c) Cubic yard.**

Delete the text of paragraph (m) and substitute with the following:

**(m) Square yard.** 9 square feet. Longitudinal and transverse measurements for area computations will be made horizontally. No deductions from the area computation will be made for individual fixtures having area of 9 square feet or less. Do not measure overlaps.

Add the following:

**(p) Fixed hourly rate.** Measure the actual number of hours ordered by the CO and performed by the Contractor.

**109.03 Weighing Procedures and Devices. (c) Project weighing system.** Delete the text of the first paragraph and substitute with the following:

Furnish, erect, and maintain acceptable automatic digital scales. For small quantities, manual scales may be used when approved in writing by the CO and if the method of weighing meets all other contract requirements. Provide scales that record mass at least to the nearest 100 pounds. Maintain the scale accuracy to within 0.5% of the correct mass throughout the range of use.



**109.08 Progress Payments.** Amend as follows:

Delete the text of paragraph (b) and substitute with the following:

**(b) Closing date and invoice submittal date.** The closing date for progress payments will be designated by the CO. Include work performed after the closing date in the following month's invoice. For work performed between September and July of any year, submit invoices to the designated billing office by the 7th day after the closing date. Invoices received by the designated billing office after the 16th day following the closing date, for work included in the September through July invoices, will not be accepted for payment processing that month. For work included in the August invoice, submit the invoice to the designated billing office by the 5<sup>th</sup> day after the closing date. Invoices received by the designated billing office after the 5<sup>th</sup> day following the closing date, for work included in the August invoice, will not be accepted for payment processing that month. Include late, unprocessed invoice submittals in the following month's invoice.

Delete the text of paragraph (e) and substitute with the following:

**(e) Processing progress payment requests.** No payment will be made for work unless field note documentation for the work was provided by the closing date.

**(1) Work performed between September and July.**

*(a) Invoices received by the 7th day following the closing date.*

*(1) Proper invoices.* If the invoice meets the requirements of Subsection 109.08(c), and the quantities and unit prices shown on the contractor's invoice agree with the corresponding quantities and unit prices shown on the Government's receiving report, the invoice will be paid.

*(2) Defective invoices.* If the invoice does not meet the requirements of Subsection 109.08(c), or if any of the quantities or unit prices shown on the contractor's invoice exceed the corresponding quantities and unit prices shown on the Government's receiving report, the invoice will be deemed defective and the Contractor so notified according to FAR Clause 52.232-27(a)(2). Defective invoices will not be corrected by the Government and will be returned to the contractor within 7 days after the Government's designated billing office receives the invoice.

Revise and resubmit returned invoices by the 18th day following the closing date. The CO will evaluate the revised invoice. If the invoice still does not meet the requirements of Subsection 109.08(c), the contractor will be so notified according to FAR Clause 52.232-27(a)(2), and no progress payment will be made that month. Correct the deficiencies and resubmit the invoice the following month.



If the revised invoice meets the requirements of Subsection 109.08(c), but still has quantities or unit prices exceeding the corresponding quantities and unit prices shown on the Government's receiving report, the Government's data for that item of work will be used. The contractor's invoice, as revised by the Government's receiving report, will be forwarded for processing by the 23rd day following the closing date. The contractor will be notified by the 23rd day following the closing date of the reasons for any changes to the invoice.

*(b) Invoices received between the 8th and 16th day following the closing date.*

*(1) Proper invoices.* If the invoice meets the requirements of Subsection 109.08(c), and the quantities and unit prices shown on the Contractor's invoice agree with the corresponding quantities and unit prices shown on the CO's receiving report, the invoice will be deemed proper and forwarded for processing within 7 days of receipt.

*(2) Defective invoices.* If the invoice does not meet the requirements of Subsection 109.08(c), the invoice will be deemed defective, the Contractor so notified according to FAR Clause 52.232-27(a)(2), and no progress payment will be made that month. Correct the deficiencies and resubmit the invoice the following month.

If the invoice meets the requirements of Subsection 109.08(c), but has quantities or unit prices exceeding the corresponding quantities and unit prices shown on the Government's receiving report, the Government's data for that item of work will be used. The contractor's invoice, as revised by the Government's receiving report, will be forwarded for processing within 7 days after receiving the invoice. The contractor will be notified, within 7 days of the Government's receipt of the invoice, of the reasons for any changes to the invoice.

**(2) Work performed during August.**

*(a) Proper invoices.* If the invoice meets the requirements of Subsection 109.08(c), and the quantities and unit prices shown on the Contractor's invoice agree with the corresponding quantities and unit prices shown on the CO's receiving report, the invoice will be deemed proper and forwarded for processing within 7 days of receipt.

*(b) Defective invoices.* If the invoice does not meet the requirements of Subsection 109.08(c), the invoice will be deemed defective, the Contractor so notified according to FAR Clause 52.232-27(a)(2), and no progress payment will be made that month. Correct the deficiencies and resubmit the invoice the following month.



If the invoice meets the requirements of Subsection 109.08(c), but has quantities or unit prices exceeding the corresponding quantities and unit prices shown on the Government's receiving report, the Government's data for that item of work will be used. The contractor's invoice, as revised by the Government's receiving report, will be forwarded for processing within 7 days after receiving the invoice. The contractor will be notified, within 7 days of the Government's receipt of the invoice, of the reasons for any changes to the invoice.

Delete the text of paragraph (f) and substitute with the following:

**(f) Partial payments.** Invoices may include the following:

**(1)** Progress payments may include partial payment for material to be incorporated in the work, provided the material meets the requirements of the contract and is delivered on, or in the vicinity of, the project site or stored in acceptable storage places.

Partial payment for material does not constitute acceptance of such material for use in completing items of work. Partial payments will not be made for living or perishable material until incorporated into the project.

**(2)** Partial payment for preparatory work. Partial payment for preparatory work does not constitute acceptance of work.

Individual and cumulative partial payments for preparatory work and material will not exceed the lesser of:

- 80 percent of the contract bid price for the item; or
- 100 percent of amount supported by copies of invoices submitted.

The quantity paid will not exceed the corresponding quantity estimated in the contract.

Submit pay notes according to Section 153. Provide a cost breakdown of the bid item components and submit invoices or other documents supporting the partial payment.

The CO may adjust partial payments as necessary to protect the Government.



## Section 152.— CONSTRUCTION SURVEY AND STAKING

### Construction Requirements

**152.02 General.** Delete the text of this Subsection and substitute with the following:

At the preconstruction conference, submit a cost breakdown of the individual items included in the lump sum item for use in making progress payments.

**(a) Survey schedule.** Include staking activities in the construction schedule submitted according to Section 155. Include the dates and sequence of each staking activity.

**(b) Government set reference lines and points.** The Government has set horizontal and vertical control points for the project. The location and identity of each control point are shown on the plans.

Before beginning construction, notify the CO of any missing control points or stakes. The Government will reestablish control points and stakes missing before the beginning of construction.

**(c) Government furnished information.** The Government will furnish the following data relating to horizontal and vertical alignment and theoretical slope stake catch points, and other design data:

(1) X, Y, Z coordinates (horizontal and vertical control points);

(2) Horizontal Alignment data to establish reference stationing;

(3) Masonry guardwall , deep patch, subexcavation and Deer Creek bridge areas:

**(d)** Computer listings containing horizontal alignment, vertical profile, superelevation, excavation and embankment slope ratios, and earthwork quantities.

**(e)** Computer generated-construction staking notes showing theoretical slope stake catch points and reference points.

Perform additional calculations for convenient use of Government-furnished data. Provide immediate notification of apparent errors in the initial staking or in the furnished data.



**(f) Pre-survey meeting.** Before surveying or staking, discuss and coordinate the following with the CO:

- (1) Surveying and staking methods;
- (2) Stake marking;
- (3) Grade control for courses of material;
- (4) Referencing;
- (5) Structure control; and
- (6) Any other procedures and controls necessary for the work.

Preserve all initial reference and control points. After beginning construction, replace all destroyed or disturbed initial reference or control points necessary to the work.

Prepare field notes in an approved format. Sample note formats are available as listed in Subsection 106.01. Furnish all survey notes at least weekly.

Survey and establish controls within the tolerances shown in Table 152-1. The construction survey and staking work may be spot-checked for accuracy, and unacceptable portions of work may be rejected. Resurvey rejected work, and correct work that is not within the tolerances specified in Table 152-1. Acceptance of the construction staking does not relieve the Contractor of responsibility for correcting errors discovered during the work and for bearing all additional costs associated with the error.

Start work only after staking for the affected work is accepted. Notify CO 7 days prior.

Compute and furnish calculations supporting pay quantities. Measure quantities within the tolerances shown in Table 152-2.

All field notes, pay notes, and supporting documentation become the property of the Government upon completion of the work.

Support roadway prism excavation quantities according to Subsection 204.16 **(a)(1)(a)**. Adjust roadway prism excavation quantities for volume changes resulting from slope stake variations. See Subsection 152.03(c), Slope stakes and references.

Remove and dispose of all flagging, lath, stakes, and other staking material after the project is complete. Remove visible portions of brushes if used to mark grade finishing stakes.



**152.03 Survey and Staking Requirements.** Amend as follows:**(b) Roadway cross-sections.** Add the following:

Do not take roadway cross-sections unless required for volume adjustments according to Subsection 204.16(a)(1)(a).

**(e) Centerline reestablishment.** Delete the text of this paragraph and substitute with the following:

Reestablish centerline from instrument control points for Deer Creek and Masonry guardwall areas. The maximum spacing between centerline points is 25 feet. Reestablish centerline as many times as necessary to construct the work. (Reestablish centerline in other areas using existing pavement markings and existing crown as approved by CO.)

Add the following:

**(m) Asphalt paver reference line.** Set adequate horizontal control points or reference lines for asphalt concrete paver as specified in Subsection 401.13.

Add the following to Table 152-1.

**Table 152-1**  
**Construction Survey and Staking Tolerances**  
**(continued)**

<b>Staking Phase</b>	<b>Horizontal</b>	<b>Vertical</b>
Asphalt paver reference line	±2 inches	—

Added Table.

**Table 152-2**  
**Measurement Tolerances**

<b>Pay Unit</b>	<b>Horizontal</b>	<b>Vertical</b>
Acre	1.0 feet or 1:100 whichever is greater	—
Cubic Yard	0.2 foot or 1:500 whichever is greater	0.3 foot or 1:333 whichever is greater
Linear Foot	0.2 foot or 1:500 whichever is greater	—
Square Foot	0.1 feet or 1:1000 whichever is greater	—
Station	1.0 feet or 1:1000 whichever is greater	—



**(n) Roadway Station Staking.** Perform the following:

- (1)** Establish and maintain station reference staking for SR 123 and SR 410 roadway. Spacing of reference stakes be no greater than 100 feet.

**Payment**

**152.06** Delete the second paragraph and substitute with the following:

Payment for lump sum items will be prorated based on the progress of the work under this Section.



## **Section 153.— CONTRACTOR QUALITY CONTROL**

Delete the text of this Section and substitute with the following:

### **Description**

**153.01** This work consists of obtaining samples for quality control testing, performing quality control tests, providing inspection, and exercising management control to ensure that work conforms to the contract requirements. See FAR Clause 52.246-12 Inspection of Construction.

### **Construction Requirements**

**153.02 Personnel Qualifications.** Furnish a quality control manager with at least one year of experience managing highway construction quality control or quality assurance programs and meeting one of the following requirements:

- (a) A Bachelor of Science degree from a four year program of a civil engineering, civil engineering technology, construction management, or construction engineering program;
- (b) 2 years experience as a superintendent of a road or highway construction firm;
- (c) A level four highway construction or highway materials NICET certification; or
- (d) 4 years experience as a highway construction inspection or materials quality control supervisory technician.

Do not designate superintendents, foremen, and traffic and safety supervisors as quality control manager or other quality control personnel.

**153.04 Quality Control Plans.** Provide quality control plans for selected work features. The absence of a plan for other items of work does not relieve the Contractor of complying with the contract requirements. Quality control plans and activities provided under this specification are minimum requirements. Other quality control activities may be required to provide effective quality management.

(a) **Development.** Develop quality control plans for the following work features:

- Aggregate Courses (Sections 308, 310);
- Asphalt Pavement (Sections 401);
- Continuous Cold Recycled Asphalt (Section 416)
- Turf Establishment (Section 625).



Use “*Contractor Quality Control Plan*” (Form WFLHD 471) to prepare the quality control plan for each work feature. For an electronic version of the form go to:

<http://www.wfl.fha.dot.gov/other/it/forms/wflhd471.xls>

Complete the first three columns of form WFLHD 471 and submit to the CO for acceptance at least 7 days before commencing work. Address the following activities on the worksheet:

- (1) Review contract requirements, plans and specifications independently and with construction supervisory staff;
- (2) Check and verify submittals, plans, and materials certifications meet contract requirements and submit to CO for approval. Provide statement and signature of verification according to Subsection 106.03;
- (3) Check site conditions for constructability, including staging, disposal and storage areas. Verify materials delivered to the site conform to accepted materials certifications, submittals, plans and contract requirements before incorporating into the project.
- (4) Review construction staking to assure it meets contract requirements, accuracy and sufficiency for each work feature;
- (5) Provide an operational work plan. Include a brief written narrative of the work activity for the feature describing methods, locations, crews, equipment and methods to be used to complete the work;
- (6) Conduct pre-work meetings. Review contract requirements with construction crew, foremen, and Government personnel before beginning work. Provide an overview of the operational work plan;
- (7) Ensure construction methods will result in the end product meeting the contract requirements. Verify by including as a minimum the:
  - quality control inspection and measurement requirements in Table 153-2;
  - quality control sampling and testing requirements in Table 153-1; and
  - sampling and testing requirements at the end of each specific Section.

Perform corrective actions as needed to ensure work meets contract requirements.

- (8) Provide immediate on-site presence to communicate status of work to FHWA personnel and contractor personnel and for quality control issue resolution;
- (9) Verify completed work meets contract requirements.



Revise quality control plans when personnel, activities, or processes change or when deficiencies occur in the work.

The CO may request additional quality control plans for work features not listed above if work in progress or completed work is in nonconformance with contract requirements or is lacking an effective quality control process

**(b) Implementation.** Implement quality control activities as described in the accepted plan. Do not begin a work feature until the plan is approved by the CO and a prework meeting (Activity 6) is performed.

**(1) QC Reports** - Report quality control meetings, reviews, inspections, measurements, testing activities, corrective actions, and discussions that verify work meets requirements as quality control activities listed in “*Contractor Quality Control Plan*” (Form WFLHD 471) are completed. Provide narrative and original support data. Document findings such as deficiencies found in the work and describe corrective actions, adjustments to frequency of quality control activities, and method or process changes to correct and eliminate future deficiencies. Provide reports daily to the CO or as specified in the quality control plan. Include the following certification:

*"I certify that the information contained in this record is accurate, and that all work documented herein complies with the requirements of the contract. Any exceptions to this certification are documented as a part of this record."*

**(2) Notification of Completion of Work** - Submit a completed “*Notification of Completion of Work*” (Form WFLHD 470) when work listed in Subsection 153.06 is ready for inspection.

**(c) Post-Work Quality Control.** As quality control activities listed in Subsection 153.04(a) are completed, fill in the last two columns of WFLHD 471. Maintain and update the worksheet and make available to the CO upon request. Provide the completed worksheet and attachments to the CO within one day of substantially completing the work feature.

**153.05 Quality Control Sampling and Testing.** Provide sampling and testing as listed in Table 153-1.

Testing of trial samples may be required to demonstrate testing competence.



Sample and split samples according to AASHTO or other acceptable procedures. Allow the CO the opportunity to witness all sampling. Immediately perform splits when required. Deliver the Government's portion of the sample or split sample in an acceptable container suitable for shipment. Label all samples with the following information:

- Project number;
- Source of material;
- Pay item number;
- Sample number;
- Date sampled;
- Time sampled;
- Location sample taken;
- Name of person sampling;
- Name of person witnessing sampling; and
- Type of test required on sample.

Provide the following documentation:

**(a) Quality Control Test Results.** Report test results on forms containing all sample information required by Subsection 153.05. Attach worksheets used to determine test values to the test result forms when submitted.

**(b) Control Charts.** Maintain linear control charts that identify the project number, contract item number, test number, each test parameter, the upper and/or lower specification limit applicable to each test parameter, and test results. Use the control charts to document the variability of the process, identify production and equipment problems, and identify potential pay factor adjustments. Make corrections to the process when problems are evident. Post charts at the Contractor's project testing lab and on site.

**153.06 Government Quality Assurance Inspection.** Submit a "*Notification of Completion of Work*" (Form WFLHD 470) when the following work is ready for inspection:

**(a) Allow 1 working day for the following work to be inspected.**

**(1) Survey and staking (field stakes and notes).** Provide survey notes for the following:

- (a) Control points – before disturbing original control points;
- (b) Subexcavation – before backfilling;
- (c) Guardrail – before starting installation;



**(2) Construction work.**

(a) Subgrade – before placing pavement structure;

(b) Any layer of pavement structure requiring hubs – before placing next layer; and

**(b) Allow 1 working day (except as noted) to inspect the following work.** Do not continue work on items listed below until receipt of WFLHD 470 indicating the work will not be inspected, the work was inspected and no deficiencies were found, or unless authorized by the CO. Work delayed in excess of the inspection period will be evaluated according to FAR Clause 52.242-14 Suspension of Work.

**(1) Forms and reinforcing steel – before placing concrete.**

**153.07 Acceptance.** Contractor quality control will be evaluated under Subsections 106.02 and 106.04 based on the demonstrated ability of Contractor's quality control system to ensure work meets the contract requirements.

If the Government's testing and inspection (quality assurance) indicate that the Contractor's quality control system is ineffective or the plans are not being followed; make immediate improvements to correct inadequacies. Furnish notification in writing of improvements and modifications to the system.

A maximum of 10 percent of the total progress payment amount will be retained and affected project work may be stopped if a quality control plan is not accepted, the plan is not being followed, or work does not meet contract requirements.

**Measurement**

**153.08** Measure the Section 153 items listed in the bid schedule according to Subsection 109.02.

**Payment**

**153.09** The accepted quantities, measured as provided in Subsection 109.02 and above, will be paid at the contract price per unit of measurement for the Section 153 pay items listed in the bid schedule. Payment will be full compensation for the work prescribed in this Section. See Subsection 109.05.

Payment for the lump sum item will be prorated based on the total work completed for this Section.



**Table 153-1**  
**Quality Control Sampling and Testing Requirements**

Material or Product	Characteristic	Test Method or Specification	Sampling Frequency	Point of Sampling	Split Sample	Reporting Time
<b>Sections 401, 402, or 403 Hot Asphalt Concrete Pavement</b>						
Aggregate <sup>(1)</sup> (Aggregate Production)	Gradation	AASHTO T 27 & AASHTO T 11	1 for each 6 hours of production but not less than 2 for each day	Flowing aggregate stream (bin or belt discharge) or conveyor belt	Yes, when requested	End of shift
	Fractured faces	ASTM D 5821	"	"	"	"
	Fine Aggregate Angularity <sup>(2)</sup>	AASHTO T 304, Method A	"	"	"	"
	Flat & Elongated Particles <sup>(2)</sup>	ASTM D 4791	"	"	"	"
	Sand equivalent	AASHTO T 176 Alternate Method No. 2, Referee Method	"	"	"	"
<b>Sections 404 Minor Hot Asphalt Concrete</b>						
Asphalt mixture	Compaction (Roadway paving)	ASTM D 2950	1 every 1000 feet each lift	In place	No	End of shift

(1) If aggregate is separated into two or more stockpiles, sample and test each stockpile.

(2) Not required for Sections 402 and 403.



**Table 153-2**  
**Quality Control Inspection and Measurement Requirements**

Activity	Characteristic	Specification or Activity	Tolerance and Reference	Measurement or Inspection Frequency	Point of Inspection or Measurement	Reporting Time
<b>Section 152 Construction Survey and Staking</b>						
Construction staking	Construction staking	Measurements to check accuracy and adequacy of construction staking	Subsection 152.03 and Table 152-1	15% of staked, lines points or marks. and 100% of staked or surveyed points, marks or lines on bridges, walls or other major structures	Completed staking	End of shift
<b>Section 203 Removal of Structures and Obstructions</b>						
Salvaging material	Use of reasonable care replacing or repairing packing, matching, marking and stockpiling	Visual inspection	Subsection 203.03	Daily	Salvaging operation	24 hrs
Removing material	Saw cutting, debris containment removal of culverts and structures and obstructions	"	Subsection 203.04	"	Removing operation	"
<b>Section 204 Roadway Excavation</b>						
Conserved topsoil	Conserving, stockpiling and separating	"	Subsection 204.05	"	Topsoil removal operation	"
Subexcavation	Cross section prevent contamination, disposal, backfill and compaction	"	Subsection 204.07	"	"	"
Sloping, Shaping and finishing	Sloping, stepped slopes, shaping, finishing	"	Subsection 204.13 (a) through(d)	"	"	"
<b>Section 207 Earthwork Geotextiles</b>						
Geotextiles general	General	Visual inspection	Subsection 207.03	Daily	Geotextile placement	24 hrs
Application	Grade preparation, placement, overlap, cover	"	Subsection 207.04	"	"	"
<b>Section 211 Roadway Obliteration</b>						
Roadway obliteration description	Method 1, full obliteration, Method 2, localized obliteration	Visual inspection	Subsection 211.01	Daily	Obliteration	24 hrs
Rigid material, non rigid material	Non-asphalt material, asphalt material, asphalt contaminated material	"	Subsection 211.02	"	"	"

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**Table 153-2**  
**Quality Control Inspection and Measurement Requirements (Continued)**

Activity	Characteristic	Specification or Activity	Tolerance and Reference	Measurement or Inspection Frequency	Point of Inspection or Measurement	Reporting Time
<b>Section 251 Riprap</b>						
Energy dissipaters	"	"	Subsection 251.06	"	Installation	"
<b>Section 301 Untreated Aggregate Courses</b>						
General	Grade preparation	Visual inspection	Subsection 301.03	Daily	Installation	24 hrs
Surface Tolerance	Measured elevation check or straightedge measurement	Verification measurement	Subsection 301.06	Minimum of one verification measurement every 200 feet horizontal	Roadway	4 hrs
<b>Section 308 Minor Crushed Aggregate</b>						
Preparing surface	Roadway aggregate, bedding and backfill aggregate	Visual inspection and verification measurement see Subsection 303.07	Subsection 308.03	Daily	Roadway	24 hrs
Placing	Roadway aggregate, bedding and backfill aggregate	Visual inspection and verification measurement see Subsection 308.05(a)	Subsection 308.04	"	"	"
Compacting and finishing	Roadway aggregate, bedding and backfill aggregate	Visual inspection and verification measurement see Subsections 204.11 & 301.06	Subsection 308.05	Daily and Minimum of one finish tolerance verification measurement every 200 feet horizontal	"	4 hrs
<b>Sections 401, 402, or 403 Hot Asphalt Concrete Pavement</b>						
See Subsection 401.12 for inspection, measuring, testing and reporting requirements of production start up procedures						
Mixing plant	All plants, drum dryer-mixer plants, batch and continuous plants	Visual inspection	Subsection 401.04(a),(b) or (c)	Once at initial set up of plant or change in plant system	Installation	End of shift
Pavers	Screeds, augers, heated, paving width, hopper, automatic feed controls, speed, smoothness, automatic screed controls	"	Subsection 401.05 (a) through (h)	Once at mobilization of paving machine or change of equipment	"	"
Surface preparation	Tack application	"	Subsection 401.06	Daily	Roadway	"
Weather limitations	Temperature, moisture	Verification measurement and visual inspection	Subsection 401.07	"	"	"
Asphalt preparation	Heating asphalt	Visual inspection	Subsection 401.08	"	"	"
Aggregate preparation	Mineral filler, mixing, pugmill, moisture content	"	Subsection 401.09	"	Plant	"
Mixing	Mixing and discharge temperature	"	Subsection 401.10	"	Plant	"

Special Contract Requirements

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**Table 153-2**  
**Quality Control Inspection and Measurement Requirements (Continued)**

Activity	Characteristic	Specification or Activity	Tolerance and Reference	Measurement or Inspection Frequency	Point of Inspection or Measurement	Reporting Time
Hauling	Coating trailer beds, covers, access ports for checking temperature	"	Subsection 401.11	"	Plant or roadway	"
Production startup procedures	Pre-paving Conference and control strip	See Subsection 401.12 for testing and reporting requirements	Subsection 401.12	Before production paving	Plant and Roadway	
Placing and finishing	Placement temperature, line and grade control, offset longitudinal joint	"	Subsection 401.13	"	Roadway	"
Compacting		Visual inspection, and see Section 401 under Table 153-1 for testing requirements	Subsection 401.14			
Joints, trimming and cleanup	Completion of adjacent lanes, connections, tack for joints	"	Subsection 401.15	"	"	"
<b>Section 409 Asphalt Surface Treatment</b>						
See Subsection 409.07 for inspection, measuring, testing and reporting requirements of production start up procedures						
Equipment	Equipment and capabilities	Visual inspection	Subsection 409.04	Once at mobilization of paving machine or change of equipment	Roadway	End of shift
Surface preparation	Existing asphalt surfaces, aggregate surfaces	"	Subsection 409.05	Daily before paving	"	"
Weather limitations	Ambient air and surface temperatures, precipitation	Verification measurement and visual inspection	Subsection 409.06	Daily	"	"
Asphalt application	Spray bar, calibration of distributor, protection of adjacent surfaces, application rate, temperature and area approval	"	Subsection 409.08	Daily	Roadway	"
Aggregate application	Application rate and area approval, overlap, rollers	"	Subsection 409.09	"	"	"
<b>Section 411 Asphalt Prime Coat</b>						
Equipment	Equipment and capabilities	Visual inspection	Subsection 411.03	Once upon mobilization		End of shift
Surface preparation	Compaction and surface tolerance	"	Subsection 411.03	Daily	Roadway	"
Weather limitations	Ambient air and surface temperatures, precipitation	"	Subsection 411.03	"	"	"

Special Contract Requirements

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



**Table 153-2**  
**Quality Control Inspection and Measurement Requirements (Continued)**

Activity	Characteristic	Specification or Activity	Tolerance and Reference	Measurement or Inspection Frequency	Point of Inspection or Measurement	Reporting Time
Asphalt application	Application, curing, blotter and maintenance	"	Subsection 411.03	"	"	"
<b>Section 412 Asphalt Tack Coat</b>						
Asphalt tack coat surface preparation	Finishing road surfaces for asphalt application	Visual inspection	Subsection 412.04	Daily	Installation	End of shift
Weather limitations	Temperature and moisture requirements	"	Subsection 412.05	"	"	"
Asphalt application	Application methods, rates, excess tack, curing	"	Subsection 412.06	"	"	"
<b>Section 416 Continuous Cold Recycled Asphalt Base Course</b>						
Surface preparation	Clean existing surface	Visual inspection	Subsection 416.04	Daily ahead of pavement milling	Roadway	End of shift
Weather limitations	Temperature and moisture requirements	"	Subsection 416.05	Daily	"	"
Pavement milling	Equipment requirements and reduction of oversize material	"	Subsection 416.06 (a) through (e)	Upon mobilization of equipment	"	"
Mixing and proportioning	Equipment requirements, quicklime incorporation and monitoring milling, mixing and placement	"	Subsection 416.07 (a) through (e)	Upon mobilization for equipment and daily for mixing and proportioning	"	"
Spreading, finishing and compacting	Paving equipment, Initial compaction, pavement smoothness, final compaction and curing	Visual inspection and verification measurement for smoothness	Subsection 416.08 (a) through (d)	Upon mobilization for equipment, one test every 200' horizontal for smoothness and daily for other	"	"
Fog seal	Fog seal and blotter	Visual inspection	Subsection 416.09	Daily	"	"
<b>Section 601 Minor Concrete Structures</b>						
Concrete Composition	Mix design, FHWA form 1606 Minor Portland Cement Concrete Mix Design Trial Batch Summary	Visual Inspection, see Subsection 601.03 for submittal and reporting requirements				
General	Section 209, forming, reinforcing steel.	Visual inspection	Subsection 601.04	Daily	Installation	24 hrs
Placing concrete	Section 552.10, form preparation, discharge time limits, vibrating, continuous pour	"	Subsection 601.05	"	"	"

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**Table 153-2**  
**Quality Control Inspection and Measurement Requirements (Continued)**

Activity	Characteristic	Specification or Activity	Tolerance and Reference	Measurement or Inspection Frequency	Point of Inspection or Measurement	Reporting Time
Curing concrete	Curing period, curing methods, finishing exposed surfaces	"	Subsection 601.06	"	"	"
<b>Section 607 Cleaning, Reconditioning, and Repairing Existing Drainage Structures</b>						
Reconditioning drainage structures	Liners	Visual inspection	Subsection 607.06	As required	Installation	24 hrs
<b>Section 609 Curb and Gutter</b>						
General	Section 209, curb foundation	Visual inspection, see Section 209 for quality control testing	Subsection 609.03	As required	Installation	End of shift
<b>Section 617 Guardrail</b>						
Posts	Placing posts before paving, short posts, driving posts	Visual inspection and verification measurement for plan dimensions	Subsection 617.03	Daily	Installation	24 hrs
Rail elements	Timber rail, log rail	Visual inspection	Subsection 617.04	"	"	"
<b>Section 620 Stone Masonry</b>						
General	Stone samples, excavation and backfill, Section 209	Visual inspection and lift thickness verification measurements, see Section 209 for quality control testing	Subsection 620.03	Daily	Installation	24 hrs
Placing stone	Mortar, joints, masonry bed and joint thickness ambient temperature	Visual inspection	Subsection 620.04	"	"	"
Constructing Walls	Sample sections, headers, backing, coping, parapet walls, weep holes	"	Subsection 620.06	"	"	"
Facing for concrete	Stone placed before concrete, concrete placed before stone	"	Subsection 620.07	"	"	"
Guardwall	Corewalls, capstones, patterns	Visual inspection	Subsection 620.09	"	"	"
<b>Section 624 Topsoil</b>						
Placing topsoil	Notification, ground conditions, spreading, compacting	"	Subsection 624.04	"	"	"
<b>Section 625 Turf Establishment</b>						
Preparing seedbed	Grading, cultivating	Visual inspection	Subsection 625.04	Daily	Installation	24 hrs
Fertilizing	Dry method, hydraulic method	Visual inspection and verification measurement and documentation of application rates	Subsection 625.06	"	"	"

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**Table 153-2**  
**Quality Control Inspection and Measurement Requirements (Continued)**

Activity	Characteristic	Specification or Activity	Tolerance and Reference	Measurement or Inspection Frequency	Point of Inspection or Measurement	Reporting Time
Seeding	Dry method. Hydraulic method	"	Subsection 625.07	"	"	"
Mulching	Dry method, hydraulic method	"	Subsection 625.08	"	"	"
<b>Section 633 Permanent Traffic Control</b>						
General	MUTCD, sign list approval,	Visual inspection, submittal requirements	Subsection 633.03	As required	Installation	24 hrs
Supports	Sign location, post lengths, placing posts, concrete footings	Visual inspection	"	"	"	"
Panels	Retroreflectivity	"	"	"	"	"
<b>Section 634 Permanent Pavement Markings</b>						
General	Location of markings, surface condition, manufacturers recommendation, packaging, shipping,	Visual inspection	Subsection 634.03	As required	Installation	24 hrs
Waterborne traffic paint	Type B, surface conditions, temperature, application rates, glass bead application rate, number of coats	Visual inspection and verification measurement and documentation of application rates	"	"	"	"
<b>Section 635 Temporary Traffic Control</b>						
Temporary traffic control	See Section 156.08 for temporary traffic control inspection and reporting requirements.					



## **Section 154.— CONTRACTOR SAMPLING AND TESTING**

### **Construction Requirements**

**154.02 Sampling.** Amend as follows:

Add the following to the first paragraph:

When samples are required at the Vancouver Laboratory, send to

**Material Section  
Western Federal Lands Highway Division  
610 East Fifth Street  
Vancouver, Washington 98661**

If samples are sent other than normal delivery vendors, call 360.619.7739 or 360.619.7592 prior to delivery. Deliveries will be accepted from 7 a.m. to 2:30 p.m. PT (Monday - Friday).

Access to the government complex is controlled, check-in is required at the main building entrance located on East Fifth Street. Directions will be given for delivery of samples.

Add the following:

The sampling frequencies and reporting times are listed in the individual sections ordering the work. See Subsections 301.03 and 401.03 for additional sampling and testing requirements.

**154.04A Laboratory Trailer and Test Equipment.** (Added Subsection.)

A Government-furnished laboratory trailer with testing equipment is offered for use on this project. To take advantage of this offer, address a request in writing to the Construction Management Analyst (Western Federal Lands Highway Division, 610 East Fifth Street, Vancouver, WA 98661), within 30 days after award of contract. Failure to do so will terminate the offer.

The laboratory trailer, License No. DOT 40925, and testing equipment are located at Western Federal Lands Highway Division, 610 East Fifth Street, Vancouver, Washington. The specifications for the trailer are as follows:

- Width = 10 feet;
- Length = 36 feet;
- Height = 12 feet;
- Gross Vehicle Weight (GVW) = 13,500 pounds;

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- Tongue Weight = 4,500 pounds;
- Ball Requirements = 2 5/16 inch;
- 3 axles with electric brakes.

Before the trailer will be released for delivery, hauling vehicles must meet the following requirements:

- 2.5 ton GVW minimum;
- Ball height of 18-inches from ball to ground;
- Safety chains;
- Brake control (normal and break-away);
- Wiring harness for lights and brakes;
- Wide load signs;
- Transportation permits, if required; and
- Spare wheels and tires for trailer (USC 8-inch x 14.5-inch).

Provide an authorization from the Contractor to accept delivery of the trailer.

Provide 14 day written notice before arriving to pickup the trailer. Pickup, return, and inspection of the trailer and equipment may be scheduled between the hours of 7 a.m. and 3:30 p.m., Monday through Friday, except holidays. Notify the CO 48 hours before returning the trailer to the Vancouver office.

A list of testing equipment may be obtained by calling the Contracts Section at 360.619.7520, e-mailing at [contracts@mail.wfl.fha.dot.gov](mailto:contracts@mail.wfl.fha.dot.gov), or by fax at 360.619.7932.

Determine if the laboratory trailer and testing equipment are adequate to perform all testing required by the Contract. Check equipment (especially scales and gyratory compactor) and recalibrate as necessary after transporting the trailer. Submit written documentation to the CO that the equipment is properly calibrated.

A rental fee of \$400 per month will be deducted from progress payments, except during non-work periods on the project in excess of 30 days. Fees will begin 5 days after receipt of trailer from the Vancouver office. The fee will be prorated for periods less than one month at \$20 per day.

Return the laboratory trailer and equipment to Western Federal Lands Highway Division office in Vancouver, Washington within 14 days of the project being determined substantially complete or the rental fee will increase to \$50 per day. Fee assessments will include the day of return to the Vancouver office.

Trailer and equipment will be inspected for damage or missing items. An invoice will be sent for the cost of replacing missing or damaged equipment and restoring the trailer to a working condition, less reasonable wear and tear. Costs incurred will be deducted from the final payment. A maximum of 30 days will be required to inspect the trailer and equipment after it is returned to Vancouver.

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Follow the requirements of FAR Contract Clauses 52.245-1 – Government Property and 52.245-9 – Use and Charges and as follows.

- (a) Provide a representative to accept written responsibility for the trailer and equipment when it is checked out from the Vancouver office.
- (b) Testing equipment has been checked and calibrated to applicable specifications. Furnish any additional equipment required to perform tests not supplied with the laboratory trailer. Repair or replace equipment during use that requires calibration or does not meet specifications, due to wear and tear. Assume no responsibility for reasonable wear and tear to laboratory trailer and testing equipment upon final return to the Government. All equipment will remain or become the property of the Government.
- (c) Assume responsibility and bear costs of transporting, installing, repairing and maintenance of the trailer and equipment in a workable condition. Obtain all necessary permits. Adhere to requirements of the Laboratory Trailer Manual. Adequately anchor the awning to prevent damage. Do not perform tests in the trailer until it has been leveled and blocked according to the Laboratory Trailer Manual.
- (d) The trailer is wired with a 200-amp service box and contains a 90-gallon water tank. Provide a clean water supply, a 220-240 volt, 60 cycle commercial electric source, or a 220-240 volt, 60 cycle single phase ac regulated electrical supply of at least 60 kilowatts, and a supply of propane gas.
- (e) Provide 48-hour notice to the CO before transporting the trailer from the project.

### **Payment**

**154.07** Delete the text of the fifth paragraph and substitute with the following:

Payment for all or part of this item may be retained, if Government verification testing invalidates the Contractor testing or the CO determines that documentation of sampling and testing is not adequate.



## Section 155.— SCHEDULES FOR CONSTRUCTION CONTRACTS

Delete this Section and substitute with the following:

### Description

**155.01** This work consists of scheduling and monitoring all construction activities. Follow the requirements of FAR Clause 52.236-15, Schedules for Construction Contracts.

### Construction Requirements

**155.02 Preliminary Work Plan.** Do not begin work, except mobilization, traffic control, and Section 637 work, without an accepted preliminary work plan.

A preliminary work plan is a written narrative of contract activities for the first 45 days after the Notice to Proceed has been issued. Include the following:

- A title page stating the contract number, [INSERT task order number,] project number, project name, Contractor name, current fixed completion date, date of submittal, submittal number, and “*Preliminary Work Plan*”;
- Describe work to be done within each activity including the type and quantity of equipment, labor, and materials to be used;
- Describe planned production rates by pay item quantities (e.g. cubic yards of roadway excavation per day);
- Describe the number of work days per week, holidays, number of shifts per day, and number of hours per shift. Include all calendars used in the schedule module.
- Estimate periods during which an activity is idle or partially idle. Include beginning and end dates;
- Describe expected and critical delivery dates for equipment or material that can affect timely completion of the project;
- Identify the Vendor, Supplier, or Subcontractor to perform an activity. State assumptions made in scheduling their work.

Submit 3 copies of a preliminary work plan at least 7 days before the preconstruction conference. Within 7 days after the preconstruction conference, the preliminary work plan will be accepted or rejected. If rejected, submit a revised plan within 3 days.

**155.03 Initial Construction Schedule.** Prepare a construction schedule according to Subsection 155.04. Submit 3 paper copies and one electronic copy of the initial construction schedule within 20 days after the Notice to Proceed has been issued. In case of discrepancy, the paper version will govern over the electronic version of the schedule.

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Show completion of work within the contract time.

Allow 7 days for approval or rejection of the schedule. If rejected, submit a revised schedule within 7 days.

Use the approved initial construction schedule as the baseline for the first construction schedule update.

A maximum of 10 percent of the total progress payment amount will be retained if an acceptable schedule is not received within 30 days after the Notice to Proceed is issued.

**155.04 Construction Schedule.** A construction schedule is a Critical Path Method (CPM) schedule and a written narrative. Include the following:

(a) A CPM schedule including the following:

- (1) Title page or header block with the contract number, [INSERT task order number,] project number, project name, Contractor name, current fixed completion date, date of submittal, and submittal number;
- (2) Show activity descriptions. Define and code activities to the contract pay items. Include activities for submittals, submittal reviews, fabrication, and deliveries. Do not include activities for continuous, non-critical items such as flagging, traffic control, QA/QC, etc;
- (3) Show activity durations. Break activities into subtasks such that no activity duration exceeds 30 calendar days. Break longer activities into two or more activities distinguished by location or some other description;
- (4) Show early start and finish dates;
- (5) Show late start and finish dates;
- (6) Show total float and free float;
- (7) Show predecessors;
- (8) Use a time scale to graphically show the work scheduled for performance;
- (9) Show the sequence and interdependence of all activities; and
- (10) Identify the critical path.



Float is a shared commodity and is not for the exclusive use of the contractor or the Government. Either party has the full use of float until it is depleted.

**(b)** A written narrative stating the basis and assumptions underlying the schedule including:

- (1)** Describe work to be done within each activity including the type and quantity of equipment, labor, and materials to be used;
- (2)** Describe planned production rates by pay item quantities (e.g. cubic yards of roadway excavation per day);
- (3)** Describe the number of work days per week, holidays, number of shifts per day, and number of hours per shift. Include all calendars used in the schedule module.
- (4)** Estimate periods during which an activity is idle or partially idle. Include beginning and end dates;
- (5)** Describe expected and critical delivery dates for equipment or material that can affect timely completion of the project; and
- (6)** Identify the Vendor, Supplier, or Subcontractor to perform an activity. State assumptions made in scheduling their work.

**155.05 Updated Construction Schedule.** Prepare a construction schedule according to Subsection 155.04. Submit three paper copies and one electronic copy of an updated construction schedule for acceptance by the 15th day of each month or when:

- (a)** A delay occurs in the completion of a critical (major) activity;
- (b)** A delay occurs which causes a change in the critical path for the CPM schedule;
- (c)** The actual prosecution of the work is different from that represented on the current construction schedule;
- (d)** There is an addition, deletion, or revision of activities caused by a contract modification;  
or
- (e)** There is a change in the schedule logic.

Show completion of work within the contract time.

Allow 7 days for approval or rejection of the schedule. If rejected, submit a revised schedule within 7 days.

Use the approved initial or previous construction schedule as the baseline for the current construction schedule update.



A maximum of 10 percent of the total progress payment amount will be retained if an acceptable schedule is not received by the 15<sup>th</sup> day of the month.

**155.06 Records.** Submit a list of all records and documents that track progression of work. Indicate who will be responsible for maintaining the records and where the records will be located.

Provide the following documents:

**(a) Notification of Completion of Work.** Submit a completed WFLHD 470 *Notification of Completion of Work* when work is ready for inspection by the Government according to Subsection 153.06.

**(b) Construction Operations Report.** For each day of work, submit a completed “*Contractor’s Daily Record of Construction Operations*” (Form WFLHD 465) or an approved alternate form within one day of the work being performed.

*“I certify that the information contained in this record is accurate, and that all work documented herein complies with the requirements of the contract. Any exceptions to this certification are documented as a part of this record.”*

For an electronic version of the form go to:

<http://www.wfl.fha.dot.gov/other/it/forms/wflhd465A.pdf>

**155.07 Acceptance.** Construction schedules, records, and documents will be evaluated under Subsection 106.02.

### **Measurement**

**155.08** Measure the Section 155 items listed in the bid schedule according to Subsection 109.02.

### **Payment**

**155.09** The accepted quantities will be paid at the contract price per unit of measurement for the Section 155 pay item listed in the bid schedule. Payment will be full compensation for the work prescribed in this Section. See Subsection 109.05.

Progress payments for construction schedule will be paid as follows:

**(a)** 25 percent of the item amount, not to exceed 0.5 percent of the original contract amount, will be paid after the construction schedule is accepted.

**(b)** Payment of the remaining portion of the lump sum will be prorated based on the total work completed.



## **Section 156.— PUBLIC TRAFFIC**

### **Construction Requirements**

#### **156.03 Accommodating Traffic During Work. Amend as follows:**

Delete the last sentence of the first paragraph and substitute with the following:

Submit alternate traffic control proposals according to Subsection 104.03 for acceptance at least 15 days before intended use.

Add the following:

Accommodate public traffic as follows:

- (a) Turnouts and parking areas may be closed to public traffic.
- (b) Unless otherwise approved by the CO, adjust construction operations to stagger traffic through one-lane sections of road so that traffic is not stopped in both lanes at the same time.
- (c) Allow emergency traffic to pass through projects immediately. The Park dispatcher will coordinate emergency vehicle needs directly with the Traffic and Safety Supervisor by radio. The Park will provide an NPS radio to the Contractor's Traffic and Safety Supervisor for this purpose.

#### **156.04 Maintaining Roadways During Work. Delete the text of paragraph (c) and substitute with the following:**

- (c) Snow removal to facilitate the work is the Contractor's responsibility. Snow removal to provide public access is the responsibility of the maintaining agency and will be performed at the maintaining agencies discretion. Allow the maintaining agency access to perform snow removal.



**156.06 Limitations on Construction Operations.** Amend as follows:

Delete paragraph (g) and substitute with the following:

(g) Provide two-way radio communications between Traffic and Safety Supervisor, flaggers, and pilot cars. Provide two-way radio communications between flaggers unless flaggers are able to see each other and communicate. Citizen band radios are not acceptable. Make radio equipment available to the CO as necessary.

Delete paragraph (i) of this and substitute with the following:

(i) Do not delay public traffic more than 20 minutes per passage, for each route, SR 123 and SR 410, except during road closures. See Section 108.01(i), regarding road closures.

Add the following:

(k) Limit shoulder widening excavation and subexcavation to one side of the roadway at any time. Except for paving as allowed in Subsection 401.15, complete construction of adjacent traffic lanes to the same elevation by the end of each day except during road closures.

(l) For purposes of facilitating traffic (non-closure times), perform grading or surfacing part-width at a time. Make the width not under construction available to public traffic under alternate one-way control. Furnish flaggers as ordered by the CO, to direct traffic through sections of road under one-way control.

**156.08 Traffic and Safety Supervisor.** Amend as follows:

Delete the text in paragraph (f) and substitute with the following:

(f) Coordinate and ensure that all traffic control devices are furnished, installed, maintained, removed, stored, replaced, relocated and cleaned according to Subsection 635.03 (a) through (i).

Add the following:

(i) Inspect traffic control devices, including those in staging, storage, material sources, disposal areas, as follows:

(1) Daily during daylight hours when daylight work is being performed;

(2) Weekly during daylight hours and when work is suspended for periods of more than one week except when the project has been shut down for the winter, and weekly during the hours of darkness when only daylight work is being performed. During periods of winter suspension, inspect only as requested by the CO;



- (3)** Additional inspections, day or night, as directed by the CO; and
- (4)** Provide reports of inspections to the CO in an acceptable format within 2 days.
- (j)** Operate vehicles while transporting the portable traffic control devices and personnel including construction signs, barricades, drums, cones, tubular markers and other traffic control devices.
- (k)** Provide temporary flagging assistance.



## Section 157.— SOIL EROSION CONTROL

### Construction Requirements

**157.05 Filter Barriers.** Delete the text of this Subsection and substitute with the following:

Install 12” diameter certified weed-free coir logs or certified weed-free wood excelsior sediment logs for filtering sediment from runoff and reducing the velocity of sheet flow. Install logs according to plans and as directed by the CO. Do not use straw or hay bales as filter barriers. Install silt fencing around the perimeter of pullouts, which will be used for the storage of erodible material and any other locations as directed by CO. Install silt fencing according to plans and as follows:

- (a) Silt fencing shall consist of one continuous piece of semi-permeable fabric or securely join sections so there are no gaps.
- (b) Fence must remain in an upright position until removal by contractor.
- (c) Repair fencing to ensure an effective barrier within 24 hours of noted deficiency.

When working in “wet” ditch lines, place the coir log or wood excelsior sediment log across ditch line at either end of work area to filter siltation. Stake them firmly in place. If water is running in one direction, a barrier is required at downhill end of work area only.

**157.13 Maintenance and Cleanup.** Delete the third paragraph and substitute with the following:

Remove and dispose of temporary erosion control measures when the vegetation is satisfactorily established and soil on slopes is stable as determined by the CO. Remove and dispose of erosion control measures according to Subsection 203.05.

Upon completion of the project, leave temporary erosion control measures in place where the vegetation has not yet established or the soil is not yet stabilized as determined by the CO.



**Section 158.— WATERING FOR DUST CONTROL****Construction Requirements****158.03 General.** Add the following:

A potential water source within Mt Rainier National Park boundaries is located at a paved turnout 5.7 miles north of the Park's southeasterly boundary along the Ohanapecosh River. Comply with the following if this source is used:

- Notify the CO 14 days prior to drawing water to determine the presence of threatened or endangered species;
- Limit take of water to 30,000 gallons per day, or 15% of available flow, whichever is less. Do not disturb the stream bed when drawing water;
- Install a screen with maximum openings of 0.08 inches on the intake hose;
- Do not disturb vegetation when drawing water;
- Locate pumping equipment upon the paved turnout and in a containment device to ensure no petroleum products leak into the soil or water.

The Government makes no representation as to quantity, quality, or availability rights of the Opanapecosh. Secure all Federal, state, and local permits before drawing water from any source.



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## Section 201.— CLEARING AND GRUBBING

### Description

#### 201.01 Add the following:

This work also includes salvaging of pruned limbs and small trees if designated by the CO.

#### 201.01A **Definitions.** (Added Subsection.)

- (a) **Drip Line.** The outer most tip of a branch or limb.
- (b) **Root Zone.** An area defined to be within the drip line of the tree measured radially from the center of the tree.

### Construction Requirements

#### 201.03 **General.** Delete the text of this Subsection and substitute with the following:

Stake the clearing and grubbing limits according to Section 152.

Construct erosion control measures according to Section 157.

Conserve topsoil according to Section 204.

Construct temporary plastic fences, according to Section 635, to protect vegetation before beginning clearing and grubbing operations. As designated by CO, place temporary plastic fence to protect the following:

- (a) Vegetation designated to remain within the clearing limits (including root zones).
- (b) Root zones within the clearing limits.
- (c) Vegetation directly adjacent to the clearing limit.
- (d) Vegetation adjacent to bodies of waters as directed by the CO.
- (e) Vegetated areas not to be disturbed by construction.
- (f) Do not use tree paint.



Perform work within the clearing limits. Do not damage vegetation outside the clearing limits or within fenced areas. Do not fasten ropes, cables, or guy wires to trees. Prune limbs, branches, and treat cuts, scarred surfaces and shrubs according to ANSI A300 (Part1). Protect tree roots from damage. Keep exposed roots moist until covered with soil. Do not remove tree roots unless approved by the CO.

If protected vegetation is damaged or destroyed, repair or replace, pay the damages, or any combination as determined by the CO.

**201.04 Clearing.** Amend as follows:

Delete the text in paragraph (d) and substitute with the following:

(d) Prune tree branches that extend over the road surface and shoulders to attain a clear height of 12 feet.

Add the following:

(e) Protect all trees designated to remain in or near the clearing limits during all operations. Special equipment or techniques may be required to perform clearing around trees designated to remain.

(f) Do not place timber against trees designated to remain or against trees outside the construction limits.

(g) Remove vegetation in a manner that does not compact or gouge the topsoil. Do not mix topsoil with subsoil. No vehicular or equipment access will be allowed beyond the clearing limits.

**201.05 Grubbing.** Amend as follows:

Add the following:

Use only hand methods for grubbing inside the drip lines of trees designated to remain except as approved by the CO.

Add the following to paragraph (d):

Do not drive or park on conserved topsoil before or after removal.



## **Section 203.— REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

### **203.03 Salvaging Material.** Add the following:

Remove stone masonry pillars and wood railing located along the Tipsoo Lake walkway. Remove wood railing without damaging, and transport to the Mount Rainier National Park Kautz Creek Service Area, located approximately 3 miles east of the Nisqually Entrance area. Remove the stone masonry pillars without damaging, and place into government provided vehicles at site of removal. Coordinate removal of pillars and wood rails with CO.

### **203.04 Removing Material.** Delete the text of this Subsection and substitute with the following:

**(a) General.** Saw cut sidewalks, curbs, pavements, and structures when partial removal is required.

Construct structurally adequate debris shields to contain debris within the construction limits. Do not permit debris to enter waterways, travel lanes open to public traffic, or areas designated not to be disturbed.

Raze and remove all buildings, foundations, pavements, sidewalks, curbs, fences, structures, and other obstructions interfering with the work and not designated to remain.

Where part of an existing culvert is removed, remove the entire culvert upstream from the removal. The remaining downstream culvert may be left in place if no portion of the culvert is within 4 feet of the subgrade, embankment slope, or new culvert or structure; and the culvert ends are sealed with concrete.

Remove structures and obstructions in the roadbed to 3 feet below subgrade elevation. Remove structures and obstructions outside the roadbed to 2 feet below finished ground or to the natural stream bottom.

Abandon existing manholes, inlets, catch basins, and spring boxes according to Subsection 604.07.

Except in excavation areas, backfill and compact cavities left by structure removal with backfill material to the level of the finished ground. Backfill excavated areas according to Subsection 209.10. Compact backfill according to Subsection 209.11.

**(b) Concrete removal by mechanical impact methods.** Saw cut  $\frac{3}{4}$  inch deep along all boundaries of repair areas.



Use power-driven hand tools to remove existing concrete with the following restrictions:

- (1) Do not use jack hammers heavier than 30 pounds.
- (2) Do not operate jack hammers and mechanical chipping tools at an angle in excess of 45° from the surface of the slab.
- (3) Do not use chipping hammers heavier than nominal 15-pound class to remove concrete from beneath reinforcing bar.

Where the bond between existing concrete and reinforcing steel is destroyed, remove all concrete adjacent to the steel to provide at least 3/4-inch clearance for the new concrete to bond to the steel.

Use hand tools (hammers and chisels) to remove final particles of concrete or to achieve the required depth.

After removal of deteriorated and unsound concrete, sandblast all exposed structural steel, reinforcing steel, and concrete surfaces that will be in contact with repair material. Remove all rust and foreign material. Clean the sound concrete surface by flushing with a high-pressure water jet or oil-free compressed air.

**(c) Reinforcing steel.** Do not cut or damage reinforcing steel designated to remain in place. Repair or replace all damaged or severely deteriorated bars.

Clean all exposed reinforcing steel that is to remain in place. Remove all rust and corrosive products, including oil, dirt, concrete fragments, laitance, loose scale, and other coatings that may destroy or inhibit the bond with new concrete.

If cleaned reinforcing steel will be exposed for more than 7 days, protect the steel from corrosion and contamination. If the steel becomes corroded or contaminated, clean the steel immediately before the concrete pour.



**Section 204.— EXCAVATION AND EMBANKMENT****Description**

**204.02 Definition.** Delete the text of paragraph (c) and substitute with the following:

**(c) Conserved topsoil.** Excavated material conserved from roadway shoulders, Tipsoo Walkway construction, and turnout construction, that is free from hard soil, rock, clay, toxic substances, litters or other deleterious material, and is suitable for growth of grass, cover crops or native vegetation. Topsoil refers to the uppermost soil horizon, usually 6” to 18” deep, which includes organic duff and other materials capable of supporting vegetation.

**Material**

**204.03** Add the following to the material list:

Roadside Improvement material

Section 713

**Construction Requirements**

**204.05 Conserved Topsoil.** Delete the text of this Subsection and substitute with the following:

Conserve topsoil from roadway shoulder excavation, turnout construction, and Tipsoo walkway construction.

Completely remove topsoil before all other operations. Remove the topsoil in one pass if possible. Use equipment capable of excavating small isolated pockets of topsoil. Manually rake topsoil in areas where topsoil cannot be removed mechanically. Do not mix topsoil with subsoil. Do not compact or drive upon topsoil during removal.

Stockpile topsoil in windrows not greater than 36 inches high along the upper edge of the disturbance or in turnouts, that are within the weed zone from which the soil was taken. See Subsection 107.10(e). Identify removal areas and stockpiles with stakes so that topsoil may be replaced in the same locations. If it is impractical to windrow topsoil adjacent to the disturbed area, remove the topsoil and stockpile at nearest location possible as directed by the CO. Provide the CO labeled diagrams of each stockpile storage areas so they can be identified if the stakes are lost or removed. Cover topsoil stockpiles according to Subsection 107.10.

Haul excess topsoil to the nearest area requiring topsoil, but lacking in quantity, according to Section 107 and as directed by the CO.

Special Contract Requirements

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



**204.06 Roadway Excavation. (a) General.** Delete the text of the second paragraph and substitute with the following:

Excavate material suitable for backfill or other purposes in a sequence that permits the placement of the excavation directly into its final position or in stockpiles for subsequent placing.

**204.10 Embankment Construction.** Add the following:

**(b) Embankment within the roadway prism** Construct the top 12 inches of the embankment with topping.

**204.13 Sloping, Shaping, and Finishing.** Delete the text of this paragraph and substitute with the following:

**(a) Sloping.** Leave all ditches and slopes with roughened surfaces as they are being constructed. Construct slopes to staked slope ratios, but steepen or flatten randomly and intermittently to simulate the irregularity of existing terrain. Except in solid rock, round tops and bottoms of all slopes including the slopes of drainage ditches. Round material overlaying solid rock to the extent practical.

**204.14 Disposal of Unsuitable or Excess Material.** Delete the text of the first paragraph and substitute with the following:

If material is disposed of off the project, comply with Subsection 107.10 as well as any applicable local, State, and Federal laws.

### **Measurement**

**204.16** Add the following to paragraph (a)(1)(a) Roadway prism excavation:

Use the volume shown in the plan column on the summary of quantities sheet of the plans. The volume is subject to adjustments resulting from changes to slope stakes. See Subsection 152.03(c), Slope stakes and references.



## Section 207.— EARTHWORK GEOTEXTILES

### Description

#### 207.01 Add the following:

This work also consists of furnishing and placing geogrid for stabilization applications.

### Material

#### 207.02 Add the following to the material list:

Biaxial Geogrid

714.03

### Construction Requirements

#### 207.04A **Geogrid Stabilization Applications.** (Added Subsection.)

Splices are not allowed in the direction parallel to the roadway centerline, except at the roadway centerline. Overlap adjacent widths of geogrid a minimum of 4 feet. Pull the geogrid tight and stake it in place with an approved anchoring system that prevents the development of folds and wrinkles.

Place the recycled aggregate base course onto the geogrid in a manner that prevents the development of folds, buckles, or wrinkles. Do not operate equipment directly on the geogrid. Do not allow traffic directly on the geogrid. Spread the base course material in a manner that avoids the development of folds and wrinkles. Maintain a minimum lift thickness of 5 inches before allowing any traffic or construction equipment on the geogrid. Compact the base course material according to Section 310. Repair any damaged areas by replacing and backfilling the entire geogrid sheet affected.

Avoid sudden stops, starts, or turns of the construction equipment. Fill all ruts from construction equipment with additional base course material. Do not regrade ruts with placement equipment.

#### 207.06 **Acceptance.** Delete the text of this Subsection and substitute with the following:

Material for earthwork geogrid will be evaluated under Subsections 106.02, 106.03, and 714.03.

Earthwork geotextile or geogrid installation will be evaluated under Subsections 106.02 and 106.04.

See Table 207-1 for minimum sampling, testing and acceptance requirements.

Special Contract Requirements

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



## Measurement

**207.07** Delete the text of this Subsection and substitute with the following:

Measure earthwork geotextile or geogrid by the square yard excluding overlaps.

**Table 207-1**  
**Sampling, Testing and Acceptance Requirements**

Section 207 - Earthwork Geotextiles										
Type of Acceptance (Subsection)	Material or Product	Characteristic	Category	Test Methods / Specifications	Tolerance	Sampling Frequency	Point of Sampling	Split Sample	Reporting Time	Remarks
Certification of Compliance (Subsection 106.03)	Geotextile	Quality & Performance	•	Subsection 714.01	•	Each shipment	Source of material	•	Prior to use in work	•
	Geogrid	Quality & Performance	—	Subsection 714.03	—	Each shipment	Source of material	—	Prior to use in work	—

Special Contract Requirements

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



## Section 211.— ROADWAY OBLITERATION

### Construction Requirements

#### 211.02 Amend as follows:

##### Add the following:

Construct erosion control measures according to Section 157.

Scarify and remove the existing surface structure. Then scarify to a minimum 12" depth. Break down and remove old structures. Fill ditches and restore the obliterated roadway turnouts to the approximate original ground contour or shape to blend with the terrain. Remove any remaining scarified material on the sideslopes adjacent to the obliterated areas as directed by the CO. Apply topsoil, according to sections 624.

#### (a) **Rigid Material.**

**(1) Nonasphalt material.** Delete the text of this paragraph and replace with the following:

Remove rigid material from the project and dispose of it according to Subsection 203.05(a).

**(2) Asphalt material.** Delete the text of this paragraph and substitute with the following:

Do not dispose of the existing asphalt pavement surface designated for obliteration. Process and reuse all asphalt material as select borrow or recycled aggregate base.

#### (b) **Nonrigid Material.** Delete the text of this paragraph and substitute with the following:

Do not remove gravel, crushed stone, or other nonrigid surfaces from the obliterated areas. Use the removed suitable material in the construction of earth berms according to Section 622 and as directed by the CO. Dispose of excess or unsuitable material according to Subsection 204.14.

Reduce compacted soil lumps to a maximum size of 3 inches. Remove all furrow ditches by scarification.

#### 211.03A **Revegetation.** (Added Subsection.)

Place topsoil on obliterated areas according to Section 624. Apply seed, mulch, and fertilizer to obliterated areas according to Section 625.

#### 211.04 **Acceptance.** Add the following:

Placing of topsoil will be evaluated under Section 624 by the CO.

Special Contract Requirements

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



## **Section 251.— RIPRAP**

### **Description**

**251.01** Add the following:

Furnishing and placing boulders at the Tipsoo Walkway.

### **Materials**

**251.02** Add the following to the material list:

Rock boulders	705.07
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### **Construction Requirements**

**251.03 General.** Add the following:

Furnish and place boulders for the Tipsoo Walkway as shown on the drawings.



## **Section 303.— ROAD RECONDITIONING**

**303.03 Ditch Reconditioning.** Delete the text of this Subsection and substitute with the following:

Remove all slide material, sediment, vegetation, and other debris from the existing ditches and culvert inlets and outlets within the limits shown on the drawings and as directed by the CO. Reshape ditches and culvert inlets to achieve positive drainage, by hand or using an excavator. Keep disturbance to a minimum. Dispose of waste according to Subsection 204.14.



## Section 305.— AGGREGATE-TOPSOIL COURSE

### Description

**305.01** Delete the text of this Subsection and substitute with the following:

This work consists of furnishing and placing an aggregate-topsoil course on a prepared shoulder or other prepared surface.

### Material

**305.02** Add the following to the materials list:

Fertilizer	713.03
Tackifier	713.12

### Construction Requirements

**305.04 Mixing, Placing, and Compacting.** Delete the text of this Subsection and substitute with the following:

Furnish a mixture of 50 ±10 percent aggregate and 50 ±10 percent topsoil by volume with sufficient water for compaction.

Mix the components into a uniform mixture. Spread the mixture on the prepared surface in a uniform layer. Shape the mixture to the line, grade, and cross-section. Remove all clods and stones greater than 2 inches in diameter.

Uniformly compact the mixture so that it does not exhibit heaving, pumping, rutting, or shearing. Compaction tests may be waived by the CO if acceptable compaction is demonstrated.

Do not compact the mixture within 1 foot of existing retaining walls.

Remove all material from the pavement surface upon completion.

**305.05 Acceptance.** Delete the text of this Subsection and substitute with the following:

See Table 305-1 for sampling and testing requirements.

Aggregate-topsoil material will be evaluated under Subsection 106.03. Placement of material will be evaluated under Subsection 106.02 and 106.04.

Special Contract Requirements

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



## **Section 310.— RECYCLED AGGREGATE COURSE (ADDED SECTION)**

### **Description**

**310.01** This work consists of constructing a course of aggregate base using recycled aggregate from the existing pavement structure and new aggregate.

(a) Remove existing asphalt pavement from the masonry guardwall areas, subgrade reinforcement areas, and the Deer Creek Bridge. Locations are shown on drawings. Stockpile material at locations listed in Subsection 105.04.

(b) Construct a recycled aggregate base course using stockpiled removed asphalt pavement at locations shown on drawings.

### **Material**

**310.02** Material shall conform to the following Subsections:

Crushed aggregate (new aggregate)	703.06
Water	725.01

### **Construction Requirements**

**310.03 General.** Establish profile and cross slope control according to Section 152.

**310.04 Rotomilling.** Remove the existing pavement structure at the location and to the depth shown on the plans by rotomilling. Use milling machines that are:

- (a) Self-propelled;
- (b) Equipped with standard automatic depth controls adjustable in increments of ½ inch; and
- (c) Capable of maintaining a constant cutting depth in pavement structure, new aggregate, or a combination thereof.

Reduce rotomilled material (recycled aggregate) until all particles pass a 1½ inch sieve opening.

**310.05 Placement.** Place milled material and new aggregate behind the milling operation for the base material. Place a sufficient quantity of new aggregate to bring the width and/or final surface to established line, grade, and cross section.

Special Contract Requirements

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



**310.06 Mixing and Spreading.** Mix the milled material and new aggregate to its full depth. During mixing add water to provide the optimum moisture content for compaction. When mixed, spread to the thickness and cross section shown on the plans. Cut to grade any high areas in the base and deposit the resulting material in low areas.

**310.07 Compaction.** Compact each layer of material full width with one of the following:

- (a) Four roller passes of a vibratory roller having a minimum dynamic force of 40,000 pounds impact per vibration and a minimum frequency of 1,000 vibrations per minute;
- (b) Eight roller passes of a 20-ton compression-type roller; or
- (c) Eight roller passes of a vibratory roller having a minimum dynamic force of 30,000 pounds impact per vibration and a minimum frequency of 1,000 vibrations per minute.

Operate compression-type rollers at speeds less than 6 feet per second and vibratory rollers at speeds less than 3 feet per second.

**310.08 Surface Tolerance.** Use a 10-foot straightedge to measure the surface at designated areas. Apply the straightedge at right angles and parallel to the centerline of the finished surface. A defective area is an area with surface deviations in excess of ½ inch between any 2 contacts of the straightedge with the surface.

Test immediately after compaction. Correct defective areas by loosening the material, removing or adding material, reshaping, and compacting.

**310.09 Maintenance.** Maintain the aggregate course to the correct line, grade, and cross section by blading, watering, rolling or any combination thereof until placement of the next course. Should irregularities develop in any surface during or after compaction, loosen the surface and correct defects. Recompact the disturbed area.

**310.10 Acceptance.** Recycled aggregate base will be evaluated under Subsection 106.02 and 106.04.

Placement of recycled aggregate base will be evaluated under Subsection 106.02

Crushed aggregate will be evaluated under Section 308.

### **Measurement**

**310.11** Measure the items listed in the bid schedule according to Subsection 109.02 and the following.

Measure crushed aggregate (new aggregate) according to Section 308.



**Payment**

**310.12** The accepted quantities, measured as provided in Subsection 109.02 and above, will be paid at the contract price per unit of measurement for the Section 310 pay items listed in the bid schedule. Payment will be full compensation for the work prescribed in this Section. See Subsection 109.05.



**Section 401.— SUPERPAVE HOT ASPHALT CONCRETE  
PAVEMENT**

**Description**

**401.01** Add the following to the second paragraph:

Asphalt binder grade for this project is PG 58-34.

**Construction Requirements**

**401.03 Composition of Mix (Job-Mix Formula).** Delete Table 401-1 and substitute with the following:



**Table 401-1  
Superpave Hot Asphalt Concrete Pavement Design Requirements (AASHTO M323)**

Design ESAL (Million)	Gyratory Compaction Level (% Theoretical Maximum Specific Gravity, Gmm) AASHTO R 35			Minimum Voids-in-the-Mineral Aggregate (VMA), % <sup>(4)</sup>  Nominal Maximum Size Aggregate <sup>(3)</sup>				Voids Filled with Asphalt (VFA), % <sup>(5)(6)</sup>	Dust-to- Binder Ratio <sup>(1)</sup>	Minimum Tensile Strength Ratio, AASHTO T 283 <sup>(2)</sup>
	N <sub>Initial</sub>	N <sub>Design</sub>	N <sub>Max</sub>	1 Inch	¾ Inch	½ Inch	3/8 Inch			
< 0.3	6 (≤ 91.5 %)	50 (96 %)	75 (≤ 98 %)	12.0	13.0	14.0	15.0	70-80	0.8-1.6	0.80
0.3 to < 3	7 (≤ 90.5 %)	75 (96 %)	115 (≤ 98 %)					65-78		
3 to < 30	8 (≤ 89 %)	100 (96 %)	160 (≤ 98 %)					65-75		
≥ 30	9 (≤ 89 %)	125 (96 %)	205 (≤ 98 %)							

(1) Include non-liquid antistripping, baghouse fines, and other mineral matter added to the mixture. Calculate the ratio using effective asphalt content (calculated by mass of mix).

(2) Prepare specimens in accordance with AASHTO R 35.

(3) The nominal maximum size is one size greater than the first sieve to retain more than 10 percent of the combined aggregate.

(4) When mineral filler or hydrated lime is used, include in the calculation for compliance with the VMA.

(5) For ¾-inch nominal maximum size aggregate mixtures with ≥ 3 million ESALs, provide a VFA of 73 to 76 percent.

(6) For 1-inch nominal maximum size aggregate mixtures with < 0.3 million ESALs, provide a VFA ≥ 67 percent.



**401.08 Asphalt Preparation.** Delete the first paragraph and substitute with the following:

Uniformly heat the asphalt binder to provide a continuous supply of the heated asphalt binder from storage to mixer. Do not heat asphalt binder above 365° F.

**401.16 Pavement Roughness.** Delete the title and text of this Subsection and substitute with the following:

The CO will measure roughness of the final paved surface course within 21 days after final rolling, of the completed roadway paving, and before placement of any surface treatment. In addition to the pavement roughness type requirements, construct all pavement surfaces to meet the requirements of paragraph (b).

**(a) International roughness index (IRI).** The CO will furnish and operate an inertial profiler conforming to AASHTO PP 50 and validated according to AASHTO PP 49. Furnish personnel to provide flagging operations as may be required. The CO will measure the pavement profile (a single trace) in the middle portion of each lane. Analysis of the profile data will be made using the latest version of the Profile Viewer and Analysis (ProVAL) software.

Areas of localized roughness will be identified using a report of continuous IRI with a base length of 25 feet. This will yield the IRI of every possible 25 foot segment. Any area for which the continuous report exceeds an IRI of 150 inches/mile will be considered a defective area requiring correction according to paragraph (c).

A report of continuous IRI is defined as the roughness profile from “Profiles from Roughness,” TRR 1260, by M. W. Sayers. Its use for detection of localized roughness, as required here, is demonstrated in “Using a Ride Quality Index for Construction Smoothness Specifications,” TRR 1861, by M. Swan and S. Karamihas.

An IRI value will be determined for each 0.1-lane mile of traveled way. Cattle guards and bridges not being overlayed will be excluded from the calculation of IRI and determination of localized roughness. Measure excluded are as according to (b).

**(1) Type III pavement roughness.** The CO will measure the roughness of the final paved surface course. Defective areas are 0.1-mile segments with IRI values greater than 95 inches per mile or areas of localized roughness.

The pay factors from Table 401-3 will be used in conjunction with the histogram printout from ProVAL’s Smoothness Assurance Analysis option to compute a final pay adjustment. The average pay factor ( $P_{ave}$ ) computed to four decimals is equal to the sum of the products of the individual pay factors shown in Table 401-3 times ProVal’s corresponding histogram percentages, divided by 100. The products will be computed to four decimals and the average pay factor will be rounded to two decimals after summing and dividing by 100.



**Table 401-3**  
**Type III Pavement Roughness**

<b>IRI (inches/mile)</b>	<b>Pay Factor (PF)</b>
Greater than 95	Reject <sup>(1)</sup>
95.0 to 90.0	0.80
90.0 to 80.0	0.90
80.0 to 70.0	0.96
70.0 to 60.0	1.00
60.0 to 50.0	1.03
50.0 to 40.0	1.06
40.0 to 30.0	1.08
Less than 30.0	1.10

(1) Pay Factor when corrections are not allowed equals 0.70.

**(2) Type IV pavement roughness.** The CO will measure the roughness of the existing surface before construction traffic. The existing surface is the original surface before overlaying, recycling, or milling. The existing IRI will be used to determine the percent improvement for each 0.1-mile segment.

The CO will measure the roughness of the final paved surface course. Defective areas are areas of localized roughness or 0.1-mile segments having a percent improvement less than 0.9 or 25.4 as determined from Table 401-4.

The percent improvement in IRI will be determined to one decimal place for each 0.1-mile segment according to the following formula:

$$\% \text{ Improvement} = [(\text{Original IRI} - \text{Final IRI}) / \text{Original IRI}] * 100$$

The pay adjustment factor computed to two decimal places for each 0.1-mile segment will be determined from Table 401-4. No deductions will be made for segments where the final IRI value is less than or equal to 75.0 inches per mile, provided the final IRI is less than or equal to the initial IRI.

**Table 401-4**  
**Type IV Pavement Roughness**

<b>Single Lift <sup>(1)</sup> Percent Improvement (%)</b>	<b>Pay Adjustment Factor <sup>(1)</sup></b>	<b>Multi-Lift <sup>(2)</sup> Percent Improvement (%)</b>	<b>Pay Adjustment Factor <sup>(2)</sup></b>
Greater than 48.4	PAF = 12.50	Greater than 61.1	PAF = 12.50
24.8 to 48.4	PAF = 0.5274(%) – 13.027	43.3 to 61.1	PAF = 0.06983(%) – 30.168
12.4 to 24.7	PAF = 0.00	34.0 to 43.2	PAF = 0.00
0.9 to 12.3	PAF = 3.2609(%) – 40.435	25.4 to 33.9	PAF = 4.3605(%) – 148.260
Less than 0.9	Reject <sup>(3)</sup>	Less than 25.4	Reject <sup>(3)</sup>

(1) For single lift overlays with no other corrective work such as milling, grinding or preleveling in excess of 25 percent of the surface area the of existing pavement.

(2) For multiple lift operations such as milling, grinding or preleveling followed by one or more lifts of pavement or two or more lifts of pavement without milling, grinding or preleveling.

(3) Pay adjustment factor when corrections are not allowed equals minus 37.50.



**(b) Type V pavement roughness (straightedge measurement).** Use a 10 foot metal straight edge to measure at right angles and parallel to the centerline. Defective areas are surface deviations in excess of 0.2 inch in 10 foot between any two contacts of the straightedge with the surface.

**(c) Defective area correction.** Correct defective areas from paragraphs (a) or (b) above. Obtain approval for the proposed method of correction. Grinding is an acceptable method of correction provided the area ground does not exceed 430 square feet per location, and is limited to an average of 1 location per lane mile with no more than two locations per lane mile. Grinding in excess of these limits is not an acceptable method of correction unless it is accompanied by an overlay or a single-course surface treatment over the entire length of the project.

If grinding is allowed, grind the pavement surface with a diamond blade machine and apply a fog seal according to Subsection 409.10. The endpoints of the areas where a grinder is to be applied must be optimized via grinding simulation using ProVal's Smoothness Assurance Grinding option. Grinding simulation must be done with the purpose of grinding the minimum area needed to decrease the roughness to acceptable limits.

If no corrections are allowed, no adjustment will be made to the average pay factor ( $P_{ave}$ ) determined from Table 401-3 or the pay adjustment factors determined from Table 401-4.

If corrections are allowed, the CO will re-measure the pavement profile once at no expense to the Contractor. Subsequent re-measures will cost \$2,000. Data from analysis of the most recent profile measurement will be used to determine the  $P_{ave}$  determined from Table 401-3 or the pay adjustment factors determined from Table 401-4.

Each area of localized roughness remaining in the final paved surface course, regardless of whether corrections are allowed or not, will be accessed an additional deduction of \$200.

### **Payment**

#### **401.19 Delete the last paragraph and substitute with the following:**

When the bid schedule contains a pay item for Superpave hot asphalt concrete pavement type IV pavement roughness, a separate pay adjustment will be made. The dollar amount of the adjustment will be determined as follows:

$$\text{Type IV Pay Adjustment} = [(\sum \text{PAF}) * (\text{UBP})] - [200 * (\text{NLRA})]$$

where:  $\sum \text{PAF}$  = summation of individual pay adjustment factors from Table 401-4

UBP = unit bid price

NLRA = number of localized roughness areas remaining in final pavement surface course



Delete Table 401-5 and substitute with the following:

**Table 401-5  
Asphalt Binder Pay Factor Table**

Tests on Original	Specifications (See 702.01)	Pay Factor =				
		1.05	1.00	0.95	0.90	Reject
Dynamic Shear Rheometer, kPa	≥ 1.00	≥ 1.12	1.00 to 1.11	0.99 to 0.88	0.87 to 0.71	< 0.50
<b>Tests after Rolling Thin Film Oven (RTFO)</b>						
Dynamic Shear Rheometer, kPa	≥ 2.20	≥ 2.584	2.583 to 2.200	2.199 to 1.816	1.815 to 1.432	< 1.048
<b>Tests on Pressure Aging Vessel (PAV)</b>						
Dynamic Shear Rheometer, kPa	≤ 5,000	≤ 4,711	4,712 to 5,000	5,001 to 5,289	5,290 to 5,578	> 5,867
Bending Beam Rheometer, s, MPa	≤ 300	≤ 262	263 to 300	Use DT	Use DT	≥ 600
Bending Beam Rheometer, m	≥ 0.300	≥ 0.313	0.312 to 0.300	0.299 to 0.287	0.286 to 0.274	< 0.261
Direct Tension <sup>(1)</sup> , %	≥ 1.00	N/A	≥ 1.00	0.99 to 0.86	0.85 to 0.71	< 0.56

(1) Use Direct Tension (DT) for payment if s-values from the Bending Beam Rheometer are between 300 and 600 MPa.



Delete Table 401-6 and substitute with the following:

**Table 401-6**  
**Sampling and Testing Requirements**

Material or Product	Type of Acceptance (Subsection)	Characteristic	Category	Test Methods Specifications	Sampling Frequency	Point of Sampling	Split Sample	Reporting Time
Aggregate source quality	Measured and tested for conformance (106.04 & 105)	LA abrasion (coarse)	—	AASHTO T 96	1 per type & not less than 5 per source of material <sup>(1)</sup>	Source of materials	Yes	Before producing
		Sodium sulfate soundness loss (coarse & fine)	—	AASHTO T 104	“	“	“	“
		Accelerated weathering	—	WFLHD-DMSO	“	“	“	“
		Durability Index (coarse & fine)	—	AASHTO T 210	“	“	“	“
		Gradation	—	AASHTO T 27 & T 11	1 per submitted mix design	Stockpiles	Yes	28 days before producing
Asphalt concrete (mix design)	Measured and tested for conformance (106.04)	VMA	—	AASHTO R 35	“	—	—	“
		VFA	—	“	“	—	—	“
		Voids	—	“	“	—	—	“
		TSR	—	AASHTO T 283	“	—	—	“



**Table 401-6 (continued)**  
**Sampling and Testing Requirements**

Material or Product	Type of Acceptance (Subsection)	Characteristic	Category	Test Methods Specifications	Sampling Frequency	Point of Sampling	Split Sample	Reporting Time
Asphalt binder	Measured and tested for conformance (106.04)	Quality	—	Subsection 702.01	1 per submitted source & mix design	In line between tank & mixing plant	2 – 1-quart samples	—
					1 per 2100 t of mix, but not less than 5 samples			
Asphalt concrete mixture (all)	Measured and tested for conformance (106.04)	Mix temperature	—	—	First load & as determined by the CO thereafter	Hauling vehicle before dumping or windrow before picking up	—	Upon completing test
Hot asphalt concrete pavement (control strip)	Statistical (106.05)	Gradation		AASHTO T 308 & T 30	3 minimum	Behind paver before compacting	Yes	4 hours
		No. 4	I					
		No. 30	I					
		No. 200	I					
		Other specified sieves	II					
		Asphalt content	I	AASHTO T 308 & T 329	“	“	“	“
		VMA	I	AASHTO R 35	“	“	“	“
		VFA	I	“	“	“	“	“
		Core density <sup>(2)</sup>	I	AASHTO T 166	5 minimum	In-place after compacting	Cores to CO after determining specific gravity & compaction	—
		Maximum specific gravity (density)	—	AASHTO T 209	1 <sup>(3)</sup>	Behind paver before compacting	Yes	24 hours



**Table 401-6 (continued)**  
**Sampling and Testing Requirements**

Material or Product	Type of Acceptance (Subsection)	Characteristic	Category	Test Methods Specifications	Sampling Frequency	Point of Sampling	Split Sample	Reporting Time
Hot asphalt concrete pavement (production)	Statistical (106.05)	Asphalt content	I	AASHTO T 308 & 329	1 per 700 tons	Behind paver before compacting	Yes	4 hours
		VMA	I	AASHTO R 35	"	"	"	"
		Core density <sup>(2)</sup>	I	AASHTO T 166	"	In-place	Cores to CO after determining specific gravity	24 hours
	Measured and tested for conformance (106.04)	VFA	—	AASHTO R 35	"	Behind paver before compacting	Yes	4 hours
		Gradation	—	AASHTO T 308 & T 30	"	"	"	"
Hot asphalt concrete pavement (final surface)	Statistical (106.05)	Maximum specific gravity (density)	—	AASHTO T 209	1 per day <sup>(3)</sup>	"	"	"
		Type I & II smoothness	I	FLH T 504	See Subsection 401.16	See Subsection 401.16	—	14 days after final paving



**Table 401-6 (continued)**  
**Sampling and Testing Requirements**

Material or Product	Type of Acceptance (Subsection)	Characteristic	Category	Test Methods Specifications	Sampling Frequency	Point of Sampling	Split Sample	Reporting Time
Hot asphalt concrete pavement (final surface)	Measured and tested for conformance (106.04)	Type III & IV roughness	—	AASHTO PP 49 & PP 50	See Subsection 401.16	See Subsection 401.16	—	14 days after final paving

(1) Furnish a minimum of five reports, but not less than one report per rock type for each source. Reports must be dated within 1 year of intended use. Obtain samples representative of aggregate being furnished. Include rock type and sample location on test reports.

(2) For each days production cut core samples from the compacted pavement. Obtain cores as soon as the pavement has cooled sufficiently to allow coring, but not later than 12 hours after final rolling. Fill and compact the sample holes with asphalt concrete mixture. Make cores 6 inches in diameter. Perform specific gravity and thickness tests on cores and deliver to CO after testing is completed. Label cores and protect from damage due to handling or alteration due to temperature during storage or transfer.

(3) A single maximum specific gravity will be determined and used for each day's production. The CO will determine on which random mix sample the maximum specific gravity is to be determined.



## **Section 412.— ASPHALT TACK COAT**

### **Construction Requirements**

**412.07 Acceptance.** Delete the text of the first paragraph and substitute with the following:

Emulsified asphalt will be evaluated under Subsections 106.02, 106.03, and 702.09.



## **Section 413.— ASPHALT PAVEMENT MILLING**

### **Description**

#### **413.01** Add the following:

Work also includes conserving milled asphalt material and constructing a recycled aggregate base course suitable for continuous cold recycle processing.

### **Construction Requirements**

#### **413.03 Milling.** Add the following:

Reduce rotomilled material (recycled aggregate) until all particles pass a 1½ inch sieve opening.

Stockpile milled material at locations specified in Subsection 105.04.

#### **413.03A Placement.** (Added Subsection.)

Place milled material to established line, grade, and cross section. Compact material according to Subsection 310.07.

Measure surface tolerance according to Subsection 310.08.

Maintain the aggregate course according to Subsection 310.09



## Section 416.— CONTINUOUS COLD RECYCLED ASPHALT BASE COURSE

### Construction Requirements

#### 416.02 Add the following to the material list:

Blotter

703.13

### Construction Requirements

#### 416.04 Surface Preparation. Add the following:

Complete the subexcavation areas, subgrade reinforcement areas (recycled aggregate in place), and installation of pipe culverts, prior to beginning recycling operations.

#### 416.07 Mixing and Proportioning. Add the following:

Incorporate quicklime according to Subsection 416.07(b)(2) Slurry.

#### 416.08 Spreading, Finishing, and Compacting. Amend as follows:

Add the following to the first paragraph:

Perform cold recycled asphalt base course operations as a continuous operation. Distribute the recycled material uniformly over the entire roadway template as shown on the contract drawings.

Add the following to paragraph (a):

**(a) Initial compaction.** Provide initial compaction and make the highway available for two-lane public traffic at the end of each workday.

Add the following:

**(e) Maintenance.** Maintain the recycled asphalt surface for traffic until the asphalt concrete overlay is placed. Furnish asphalt mix according to 402 to repair potholes and rough spots in the surface as directed by the CO.

Fill all potholes and rough spots with hot asphalt mix prior to placing the asphalt concrete overlay.



**416.09 Fog Seal.** Delete the text of this Subsection and substitute with the following:

When there is a pay item for fog seal in the bid schedule and when directed by the CO, place a fog seal on the surface of the recycled base after completion of initial compaction, and before the end of the shift. Dilute the fog seal 50 percent by volume with water and apply it at a rate of 0.04 to 0.20 gallons per square yard. Keep all traffic and equipment off the recycled base course for at least 2 hours after placing fog seal or blotter. Place blotter according to Section 411.

Remove all excess blotter and dispose of outside park boundary in accordance with Federal, State, and local regulations.

**416.10 Acceptance.** Delete the fifth paragraph and substitute with the following:

Aggregate for blotter will be evaluated under Section 106.03.



**Section 601.— MINOR CONCRETE STRUCTURES****Material**

**601.02** Add the following to the material list:

Bed course

704.09

**601.03 Concrete Composition.** Add the following:

- (i) Allow test panels to cure minimum 21 days prior to submission for approval

**Construction Requirements**

**601.05 Placing Concrete.** Delete the text of this Subsection and substitute with the following:

Conform to Subsection 552.10. Moisten the forms and foundation immediately before placing concrete.

Hydration stabilizing admixtures may be used to extend the allowable delivery time for concrete. Determine the amount of hydration stabilizing admixtures needed to delay initial set of concrete as needed for the delivery and discharge time extension required for the job. The concrete mix design data submitted for approval shall include the proposed hydration stabilizer dosage and discharge times. When requested by the CO, the admixture manufacturer shall provide the service of a qualified person to help in establishing the proper dose of hydration stabilizing admixtures.

If a hydration stabilizing admixture is approved for use in the concrete mix, deliver and place the concrete within the time limits set according to approved concrete mix design and the calibrated times. The stabilized concrete mixture shall not have a slump loss of more than 50 mm during stabilization period. An approved and compatible hydration activator may be used at discharge site to insure proper placement and testing.

After the beginning of the addition of the cement, complete the discharge of the concrete within the time specified in Table 601-2.



**Table 601-2  
Concrete Discharge Time Limits**

<b>Cement Type</b>	<b>Admixtures</b>	<b>Time Limit (hour)</b>
Type I, IA, II, or IIA	none	1.00
Type I, IA, II, or IIA	Type B, D, or G	1.50
Type I, IA, II, or IIA	Hydration stabilizer	3.50 <sup>1</sup>
Type III	none	0.75
Type III	Type B, D, or G	1.25

<sup>1</sup>Based on approved concrete mix design and dosages.

Place concrete to avoid segregation of material. Consolidate with vibrators according to Subsection 552.11(d). Do not use aluminum pipe for transporting or placing concrete. Do not exceed 30 minutes between delivery of batches for a single pour on a structure.

Do not apply water to plastic concrete surfaces during finishing operations.

**601.07 Acceptance.** Delete the text of this Subsection and substitute with the following:

Material for minor concrete structures will be evaluated under Subsections 106.02 and 106.03.

Excavation and backfill will be evaluated under Section 209.

Construction of minor concrete structures will be evaluated under Subsections 106.02 and 106.04.

Delete Table 601-2 Sampling and Testing Requirements.



**Section 602.— CULVERTS AND DRAINS****Construction Requirements**

**602.03 General.** Delete this Subsection and substitute with the following:

For culvert extensions, furnish the same material as the existing culvert and when the existing culvert material is metal, provide asphalt coating.

The plans show the size and approximate location and length of culverts. Determine final location, skew, length, elevations, and grade according to Subsection 152.03(g). Do not order culvert material until the CO has accepted the final structure size, length, and alignment.

Perform excavation and backfill work under Section 209.



## **Section 609.— CURB AND GUTTER**

### **Construction Requirements**

**609.04 Stone and Precast Concrete Curb.** Delete the text of this Subsection and substitute with the following:

Provide stone consistent with the color of the existing stone parapet wall at Deer Creek. Arrange stones to produce a random mix of lengths. Place no more than 2 stones the same length adjacent to one another, and no more than two repetitions alternating two different lengths.

Provide sample for CO approval prior to use.

Place concrete in accordance with Section 601. Clean the curb material thoroughly and wet it just before setting. Set the stone curb in concrete so the face and top lines are to line and grade. The maximum deviation in alignment shall not exceed 0.50 inches in 10 feet on tangents, or more than 0.50 inches from the true radius on curves. Make the joints 0.4 to 1.0 inches wide and fill the joint with concrete, adding sufficient concrete for backing and bedding as detailed. Clean concrete stains from top, exposed faces, and joint edges.

Do not saw cut the exposed faces.

Provide a stone mason meeting the requirements of Subsection 620.03A. Complete the first 15 feet of curb to demonstrate the ability to build a curb meeting these requirements. Do not continue construction until the 15 foot test section is approved.



## **Section 617.— GUARDRAIL**

### **Construction Requirements**

**617.03 Posts.** Add the following:

Treat field cuts with 2 coats of Copper Naphthenate.

**617.04 Rail Elements. (b) Steel-backed Timber rail.** Delete the second paragraph and substitute with the following:

Field cut timber rails to produce a close fit at joints. Treat field cuts with 2 coats of Copper Naphthenate.



## Section 620.— STONE MASONRY

### Description

**620.01 Description** Delete the text of this Subsection and substitute with the following:

This work consists of cleaning, constructing, repairing, removing and resetting, and pointing or re-pointing stone masonry structures.

- (a) Cleaning and removing plant growth from exposed stone masonry surfaces of existing headwalls. Removing plant growth at gutter line of existing stone masonry walls.
- (b) Constructing stone masonry guardwall (random rubble cavity).
- (c) Removing and resetting stone masonry ashlar guardwalls as shown on the plans.
- (d) Constructing stone veneer headwalls.
- (e) Repair of ashlar guardwalls. Replacing stone that does not conform to historic stone masonry color or pattern, or is found to be missing or damaged.
- (f) Stone Curbing.
- (g) Replace missing stone and/or reset dislodged stone on stone masonry headwalls, as directed by CO.
- (h) Repoint stone masonry headwalls, guardwalls, and retaining walls as directed by CO.

**620.01A Definitions** (Added Subsection.)

- (a) Veneer masonry. Stones vary in size and shape, and are used for facing concrete cores. Stones are dressed to meet the size and shape requirements, as specified.
- (b) Random rubble masonry. Stones vary in size and shape. Stones are utilized in cavity guardwall construction and are dressed to meet the size and shape requirements of the site.

Finishes for exposed faces are specified on the plan drawings.



### **Material**

**620.02** Add the following to the material list:

Bed Course	704.09
Riprap rock	705.02
Reinforcing steel	709.01
Dovetail Slots and Anchors	725.23

All stone shall be Class B masonry.

### **Construction Requirements**

**620.03 General.** Add the following:

Construct stone masonry that matches the character of existing historic masonry. Character includes stone finish and buldge, stone size, stone color, masonry pattern, joint size, joint finish, and mortar color and texture.

The CO will identify existing masonry structures to be used as examples in resetting masonry walls and new construction of stone masonry structures.

Furnish sound and durable, grayish granite stone with similar color and texture to the existing stone masonry headwalls and guardwalls within the vicinity of the project. Do not use stone with visible discoloration or “salt and pepper” speckling. Representative sample stone shall be delivered to the work location for approval by the CO.

Completed stone masonry shall show no evidence of separation of grout from stone.

Do not use coloring agent in the mortar mixture.

**620.03A Qualifications.** (Added Subsection.):

Before beginning work, submit proof to the CO that proposed stonemasons have experience in completing projects of similar character and complexity.

Provide the following:

- (a) The names and work histories of the stonemasons employed by the Contractor or Subcontractors who will be responsible for the stone masonry work. Provide stonemasons who have successfully completed at least five stone masonry projects. Submit brief descriptions of each project along with photos, owning agency’s name, and current telephone number.



**(b)** Evidence of proper equipment capable of performing the stonemasonry work as required in this contract, including brief descriptions of proposed equipments or devices intended to provide access to the masonry work sites.

When there is a change in personnel, submit qualifications of new personnel who is going to work or replace the existing stonemason.

**620.03B Conserving Stone.** (Added Subsection.)

**(a) Preparation.** Produce four sets of photographs showing area of wall to be removed, including adjacent stonework, prior to removal. Include a minimum of four photographs per site or enough photographs to cover the area of work with overlap as necessary. Photos need to include elevation views and oblique views showing the entire area to be removed. Photographs are to be in color with a minimum dimension of 3 inch by 5 inch. Label all photographs with the date the photo was taken and the location by station. Number each individual stone on the photograph. Submit five sets of photographs, and one digital set on compact disc to the CO. Keep one set on-site for reference when performing work.

**(b) Removal.** Submit removal methods to the CO for approval before removing stone masonry structures. Remove stone masonry structures as shown on the plans. Prevent chipping and breaking of stone during removal, transporting and stockpiling. Remove and clean all mortar off each removed stone to be used in reconstructing or constructing guardwall. Do not use excavators or backhoes to dislodge and lift masonry units. Removed stones, that are to be reset in the same location, should be numbered on the bottom. This numbering system of the stone needs to correlate with photographs.

**(c) Stockpiling.** Organize and stack removed stones on pallets. Do not mix removed stones from different wall sections on the same pallet. Label each pallet by station. Stones removed from a wall that are to be reset in the same wall may be stockpiled in a suitable location in the wall area, but are to remain separated from other stone material.

**620.04 Placing Stone.** Amend as follows:

Delete the first, second and third paragraph and Table 620-1:

Add the following:

Place stone to provide a uniform pattern and color. Clean all stones thoroughly and moisten immediately before placing. Clean and moisten the bed.

Do not place stone masonry when the ambient temperature is below 32° F. Maintain completed masonry at a temperature above 40° F for 24 hours after construction and insure that mortar will harden without freezing. Remove and replace any work damaged by cold weather.



Cover masonry to keep damp and protected for at least three days after laying to provide for setting and curing of the mortar.

Match existing bed and joint widths on existing walls. Make the bed of uniform thickness throughout the structure.

When work is not in progress, protect stone faces against staining by covering the stones with non-staining waterproof coverings. When work resumes, clean the top surface of stone of all mortar and thoroughly dampen. Where new mortar joins partially or totally set masonry, remove loose mortar and dampen.

Shape and dress the stone before the stone is placed. Do not dress or hammer the stone after it is placed.

Lightly chisel stone edges to remove sharp corners and edges prior to placing mortar.

Do not backfill or grade around stone masonry until inspected and approved by the CO.

Provide suitable equipment for setting stones larger than those that can be handled by two workers. Do not roll or turn stones on the walls.

#### **620.04A Cleaning Existing Stone Masonry Headwalls. (Added Subsection.)**

Demonstrate materials and methods to be used for cleaning on approximately 6 sq. ft. of a stone headwall surface. Location to be approved by CO.

Before washing, completely remove plant, moss and shrub growth from masonry surfaces. Carefully remove any plant material. Plants should be gently pulled out of cracks or clipped, and then the soil or debris that contained the roots should be brushed away from the stone. The plant's root system should be removed with the soil and debris. If there is a mass of plant material, carefully clip or pull away each section, to prevent pulling away any loose or weakened fragments of stone.

Clean the stone and mortar using low-pressure power wash. The lowest pressure nozzle should be used to effectively clean the stone and mortar.

#### **620.04B Removing and Resetting Stone. (Added Subsection.)**

Remove and conserve stones from portions of the stone masonry walls that require resetting and or repair, as shown in the plans, and according to Subsection 620.05. Reset stones to produce desired pattern. Provide and incorporate new stone, when required.

Use approved stones of the same color and shape to blend with the existing stone.

When removing and resetting stone masonry, use hand tools to clean the exposed faces of the stones of all mortar before resetting.



**620.05 Pointing** Amend as follows:

**(a) Pointing new joints:** Delete the second and third paragraphs and substitute with the following:

Point one square yard of wall as a test section for approval by the CO, before continuing with the work. The approved test section may be incorporated into the permanent work. If not accepted, remove and dispose at a location designated by CO.

Finish all capstone joints on top flush with the stone. Rub joints with a stiff broom to remove sheen after tooling.

Rake out all other joints and beds squarely to a depth of between 1/8 inch and 1/4 inch and flat tool finish. After tooling, rub with a stiff broom to remove sheen.

Immediately after laying stones, and while the mortar is fresh, thoroughly clean all stone of mortar stain using fiber brushes and mild alkaline abrasive cleaner containing no caustic or harsh filler. Begin at the top and work down. Leave stones clean and free of mortar stains or traces of cleaning compound.

Keep joints damp for 3 days after work has been completed.

**(b) Repointing joints.** Add the following:

Repoint one square yard of wall as a test section for approval by the CO, before continuing with the work. The approved test section may be incorporated into the permanent work. If not accepted, remove and dispose at a location designated by CO.

**620.06A Constructing Stone Veneer Walls.** (Added Subsection.)

Construct a sample stone veneer headwall at one of the installation locations to be determined by CO. The sample must show the size and finish of stones, method of turning corners, pattern of stone work, chiseling of stone edges to remove sharp corners and edges, flaming the stone face to remove tool marks, finish of joints, and general requirements of the finished work. Do not construct Class B masonry at other locations prior to approval of the sample headwall by the CO.

Do not extend beds in an unbroken line for a distance of more than 2 stones. Bond each face stone with all contiguous face stones at least 6 inches longitudinally and 2 inches vertically. Construct continuous vertical joints not exceeding the height of 1 stone, unless directed otherwise.



Provide a variety of stone sizes and spacing of stones. Exercise care to eliminate nesting or bunching of similar sized stones. Offset vertical joints of capstones a minimum of 4 inches from the vertical joints of wall stones. Do not construct so that the corners of four stones are adjacent to each other. Lay stones, including capstones, with their major axes horizontal.

**620.07 Facing for Concrete. (b) Concrete placed before stone.** Delete the first, second, and third paragraphs and substitute with the following:

Set galvanized metal slots vertically in the concrete face at a horizontal spacing not to exceed 9 inches. Provide slots with temporary filler material to prevent contamination with concrete. Remove all filler material completely from the slots prior to setting the stone. Fit the anchors tightly in the slots at each horizontal bed and completely fill all voids in the anchor slots between anchors with setting mortar while setting the stone. No voids in any part of the wall will be permitted. Use Anchors having angle bends where shown in the plans, and engage the bends in a recess cut into the stone. It may be necessary to modify anchor angle bends in the field to properly attach masonry.

Fill all voids between the back of the Class B masonry and the face of concrete wall, including the voids of anchor slots after removal of the filler material, with setting mortar.

**620.09 Guardwall.** Delete the text of this Subsection and substitute with the following:

Construct a 10-foot sample section of stone masonry random rubble cavity guardwall. Do not continue stone masonry placement before sample is approved by the CO. The approved sample sections may be incorporated into the permanent work. Unacceptable work and materials will be removed to a location designated by the CO.

Construct guardwall as shown in the plans, and according to Subsections 620.06, 620.09, 620.10, and this Subsection. Incorporate all stone shapes specified in the plans into the sample section.

**620.10 Acceptance.** Delete the text of this Subsection and substitute with the following:

See Table 620-1 for sampling and testing requirements.

Material for mortar will be evaluated under Subsections 106.02 and 106.03. Mortar will be evaluated under Subsections 106.02 and 106.04.

Stone for masonry structures will be evaluated under Subsections 106.02 and 106.04.

Construction or rehabilitation stone masonry structures will be evaluated under Subsections 106.02 and 106.04.

Excavation and backfill will be evaluated under Section 209.

Concrete will be evaluated under Section 601.

Triangle ties, channel anchors, and adjustable anchor ties will be evaluated under Subsection 106.03.

Special Contract Requirements

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



### **Measurement**

**620.11** Delete the text of this Subsection and substitute with the following:

Measure the Section 620 items listed in the bid schedule according to Subsection 109.02 and the following as applicable.

Do not measure sample wall sections not incorporated in the work.

Measure stone veneer headwalls by the each. Class B masonry, Class 2 riprap, reinforcing steel, concrete, and metal hardware will not be measured for payment.

Measure remove and reset stone masonry guardwall (ashlar), by the linear foot. Reinforcing steel, concrete, and metal hardware will not be measured for payment.

Measure stone masonry wall (guardwall repair) by the square yard measured along the front face of the wall.

Measure stone masonry wall (retaining wall repair) by the square yard measured along the front face of the wall. Metal hardware will not be measured for payment.

Measure random rubble cavity stone masonry guardwall by the linear foot. Reinforcing steel, concrete, and metal hardware will not be measured for payment.

Measure existing stone masonry headwall cleaning by the square yard.



## Section 622.— RENTAL EQUIPMENT

### Description

**622.01** Delete the text of this Subsection and substitute with the following:

This work consists of furnishing and operating equipment for the construction work as ordered by the CO and listed below. Work under this Section does not include equipment time used to perform work provided for under any other pay item shown in the bid schedule. The work anticipated under this Section includes:

- (a) Perform minor landscaping.
- (b) Construct inlet channels at culverts.
- (c) Constructing earth berms at obliterated roadway locations and turnouts as directed by the CO. Reshaping of roadway shoulders as directed by the CO

### Construction Requirements

**622.02 Rental Equipment.** Delete the text of the first paragraph and substitute with the following:

Furnish and operate the following equipment:

<u>Number of Units</u>	<u>Type of Equipment</u>
1	Loader/backhoe, wheel type tractor,
1	Truck, highway, dump body, rear, 5 cubic yard min. capacity

Submit the model number and serial number for each piece of equipment before use. Make equipment available for inspection and approval before use.



## **Section 624.— TOPSOIL**

### **Construction Requirements**

#### **624.04 Placing Topsoil** Amend as follows:

Delete the 3<sup>rd</sup> sentence of the 1<sup>st</sup> paragraph and substitute the following:

Use all conserved topsoil within the weed zone from which it was removed before furnishing topsoil.

Add the following:

On slopes steeper than 1:3, leave finished grade roughened after topsoil application or use hand equipment to create pockets and cross slope furrows, as approved by CO.

Once topsoil has been placed on slopes, do not drive any equipment over it.



## Section 625.— TURF ESTABLISHMENT

### Construction Requirements

**625.03** Delete the text of this Subsection and substitute with the following:

Apply seed, fertilizer and mulch according to specifications between September 15 and October 1<sup>st</sup> of the current year. CO will inspect all hydroseeding equipment, including interior tank and hoses, prior to their entry into the park for mud, weeds and seed. Hydroseed and hydromulch shall be applied in a manner that minimizes product spill over into areas that are not designated for seed or mulch. Do not seed during windy weather or when the ground is excessively wet, frozen, snow covered, extremely dry, cloddy, hard pan or not friable. Notify the CO and the park 1 week before seeding takes place.

**625.05 Watering.** Delete the text of this Subsection:

**625.06 Fertilizing (b) Hydraulic method.** Add the following to paragraph:

Apply fertilizer at a rate of 833 pounds per acre within the project limits. Fertilize areas inaccessible to hydro-type equipment by hand.

**625.07 Seeding.** Add the following to paragraph (b) Hydraulic method:

Apply the seed mixture at a rate of 12 pounds of pure live seed per acre. The exact rate will be determined when the seed is furnished by the Government. Include a tracer material consisting of virgin wood fiber mulch at a rate of 500 pounds per acre. Add the seed to the slurry material no more than 30 minutes before application. Seed by hand areas inaccessible to seeding equipment. Do not use seed that has become wet, moldy or otherwise contaminated or damaged.

**625.08 Mulching.** Delete the second and third paragraphs of (b) and substitute with the following:

Apply mulch at a rate of 2,000 pounds per acre upon completion of seeding and fertilizing applications within the project limits. This rate does not apply to mulch for tracer applied under Subsection 625.07(b), Seeding, Hydraulic Method. Apply tackifying agent conforming to Subsection 713.12 at the application rate of 80 pounds per acre. All seeded areas must be mulched on same day of seeding.

To ensure proper application and curing of the tackifier, it shall be applied when the daytime temperature is above 50 degrees F. and minimum temperatures do not fall below freezing. Do not apply to saturated soil, during rain or high wind.



**625.09 Protecting and Caring for Seed Areas.** Delete the text of this Subsection and substitute with the following:

Protect and care for seeded area until final acceptance. Repair all damage to seeded areas by reseeding, fertilizing, mulching, and loosening the soil as needed.

**Measurement**

**625.11** Add the following:

Measure seeding supplements, fertilizer by the pound



## Section 633.— PERMANENT TRAFFIC CONTROL

### Description

#### 633.01 Add the following:

This work includes providing and installing snowpole holders. This work also includes painting and etching the backs of the permanent sign panels.

### Material

#### 633.02 Add the following to the material list:

Snowpole holder	725.15
Paint	708.04

### Construction Requirements

#### 633.04 **Supports.** Add the following:

Provide posts for sign installations conforming to the size and dimensions shown on the plans. Fabricate sign posts from wood. Dig holes for posts by use of auger or hand-tools.

#### 633.05 **Panels.** Delete the text of the first paragraph and substitute with the following:

Fabricate panels from aluminum.

Use Type Type III retroreflective sheeting for all signs.

For permanent sign panels, use type L-1 letters, numerals, arrows, symbols, and borders. Cut panels to size and shape and drill or punch all holes. Make panels flat and free of buckles, warp, dents, cockles, burrs, and other defects.

Paint the backside of all sign panels. Before painting the backs of sign panels, treat the panel backs with a chemical process known as etching. Primer, undercoating, or other surface preparations are subject to approval by the CO. Provide a latex, water base paint for the sign panel backs conforming to the color and texture of FULLER O'BRIEN Weather King II, spice tone #644-01, or approved equal. A color match test will be conducted in order to accept an alternate. Apply paint according to the Manufacturer's recommendations. Provide one copy of the Manufacturer's data sheet to the CO.

Special Contract Requirements

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



**633.06A Rumble Strip.** (Added Subsection.)

Construct rumble strips to the size and dimensions shown in the plans. Mill pavement according to Section 413.

**633.08 Acceptance.** Add the following:

Construction of rumble strips will be evaluated under Section 413.

Installation of snowpole holders will be evaluated under Subsections 106.02 and 106.04.

**Measurement**

**633.09** Add the following:

Measure shoulder rumble strip by the linear foot.

Measure traveled way rumble strip by the linear foot

Measure snowpole holders by the each.

Painting and etching the backs of the permanent sign panels will not be measured for payment.



## Section 635.— TEMPORARY TRAFFIC CONTROL

### Description

#### **635.01** Add the following:

This work also includes providing the services of a Traffic and Safety Supervisor.

### Construction Requirements

#### **635.08A Traffic and Safety Supervisor.** (Added Subsection.)

Perform services described in Subsection 156.08. Provide all vehicles and incidentals necessary to perform the work.

#### **635.13 Temporary Pavement Markings and Delineation.** Amend as follows:

Add the following after the first paragraph:

Provide temporary pavement markings or delineation according to Section 156, the MUTCD, and project plans. Apply temporary pavement markings (centerline) to the same dimensions and cycle lengths as shown in the plans for permanent pavement markings, including all passing zones. Temporary pavement markings may be allowed to remain in place for more than 14 days when approved by the CO.

Delete the text of paragraph (a) and substitute with the following:

**(a) Preformed retroreflective tape.** Apply according to the manufacturer's instructions. Remove all loose temporary preformed retroreflective tape before placing additional pavement layers.

Install retroreflective to the dimensions shown in the plans for permanent pavement markings, including all passing zones. Tape may not be placed at reduced cycle lengths.

#### **635.13A Temporary Signs and Vehicle Positioning Guides.** (Added Subsection.)

Temporary signs and vehicle positioning guides may be substituted for temporary pavement markings for up to 14 calendar days. Install "NO CENTER STRIPE" (W8-12), "NO PASSING ZONE" (R14-3), "DO NOT PASS" (R4-1) and "PASS WITH CARE" (R4-2) signs according to the MUTCD. Include the description and location of each sign in an alternate traffic control proposal according to Subsection 156.03. Install vehicle positioning guides (temporary raised pavement markers) spaced 40 feet apart for temporary centerline delineation.

Special Contract Requirements

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



**635.17 Pavement Patch.** Add the following:

Remove all cold asphalt mix from patches less than two years old as directed by the CO and replace with hot asphalt mix before placing hot asphalt on succeeding lifts.

**Measurement**

**635.26** Amend as follows:

Delete the sixth paragraph and substitute with the following:

Measure flaggers, for each hour a person is actually flagging. Round portions of an hour up to the half hour. Measure time in excess of 40 hours per week at the same rate as the first 40 hours.

Add the following:

Do not measure flagging performed by the Traffic and Safety Supervisor when there is a pay item in the bid schedule for Traffic and Safety Supervisor.

Signs used to delineate passing zones and raised pavement markers used for vehicle positioning guides according to Subsection 635.13 will not be measured.

Measure Traffic and Safety Supervisor by the day (24-hour day beginning and ending at midnight) for the work described in Subsection 156.08.

A day will be measured when:

- Construction operations require a Traffic Supervisor during the normal working days;
- The Traffic Control Supervisor makes normal checks during nonwork hours; or
- The Traffic Control Supervisor is called out during nonwork hours.



## Section 648.— SUBSEALING AND STABILIZATION (ADDED SECTION)

### Description

**648.01** This work consists of stabilization of existing stone retaining walls by drilling of grout holes and grout injection. This work also includes drilling drain holes and installing drain pipe.

### Material

**648.02** Conform to the following Subsections:

Grout	725.22(g)
Portland cement	701.01
Water	725.01

### Construction Requirements

**648.03 Equipment.**

**(a) Drilling equipment.** Use rock drills or other devices capable of drilling straight and true 2 inch minimum diameter grout holes and 2 inch diameter drain holes.

**(b) Grouting.** Equip the grout plant with a positive displacement cement injection pump and a colloidal mill. Use the injection pump capable of continuous pumping at rates as low as 1.5 gallons per minute.

Use a mixer of a type that ensures complete and uniform mixing of the material used and with sufficient capacity to continuously feed the pumping unit at its normal pumping rate.

Provide a volume measurement system at the mixer or the pump, preferably both, that will measure volumes mixed or pumped to an accuracy of 0.2 cubic foot. Furnish accurate operating pressure gages at both the pump and the injection point to measure the grout pressure.

Measure the dry materials by weight or volume if delivered in bulk.

Furnish all necessary hoses, fittings, and control to provide a positive seal during grout injection.

Inject the grout at the lowest point of the drill hole. Pump grout through grout tubes, casing, or drill-rods. Record the quantity of the grout and grout pressures.

Special Contract Requirements

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



**648.04 Grout installation.** Install grout by pumping the grout mixture at a pressure of 1.0 to 1.5 psi per foot of depth measured at the point of injection. Fill alternate holes and allow to set prior to filling the remaining holes. Inject grout in 3 foot increments beginning 3 feet from the bottom of the hole. Grouting at each stage shall continue without interruption until:

- (a) Less than 0.75 cubic foot per minute grout take, or
- (b) 10.5 cubic feet of grout pumped. If pumping is terminated due to excess grout take, grouting may be resumed as directed by the CO after the grout has been allowed to set.

Allow grout to set for a minimum of 7 days before drilling drain holes.

**648.05 Monitoring.** Keep accurate records of the grouting operation including depth, quantity of grout, and injection pressure for each stage at each injection point. These records shall be available to the CO.

Monitor the face of the adjacent stone walls, rock fill, or fill slopes during grouting operations. If grout flows out of the face at any time during the grouting operations, halt the grout injection and adjust the lifts and/or pressure.

Monitor the face of the masonry wall by establishing three monitoring points adjacent to each outside grout hole. Establish one monitoring point at the top of the wall, one monitoring point at the center of the wall, and one monitoring point 2 feet above the toe of the wall for wall heights greater than 10 feet. Establish two monitoring points for walls less than 10 feet by establishing one monitoring point at the top of the wall and one monitoring point 2 feet above the toe of the wall. Maximum allowable deflection of the wall shall be  $\frac{1}{2}$  inch with a tolerance of  $\frac{1}{32}$  inch. Halt the grout injection when the maximum deflection at the wall face occurs. Grout injection may be resumed at the direction of the CO after the grout has been allowed to set if the allowable grout take has not been achieved.

**648.06 Cleanup.** Clean up all grout spills and leave the work site in a condition that is satisfactory to the CO by the end of the work shift. A water truck and a truck in which to place wasted grout will be on the project at all times during the grouting operations.

**648.07 Acceptance.** Material for grout will be accepted under Subsection 106.03. The drain holes, subsealing, stabilization, and construction monitoring of the stone walls will be accepted under Subsection 106.02 and 106.04.

### Measurement

**648.08** Drilled grout holes will be measured by the linear foot for holes drilled, grouted, and accepted. Drilled drain holes will be measured by the linear foot for holes drilled and accepted.



**Payment**

**648.09** The accepted quantities, measured as provided in Subsection 109.02 and above, will be paid at the contract price per unit of measurement for the Section 270, Section 565, and Section 610 pay items listed in the bid schedule. Payment will be full compensation for the work prescribed in this Section. See Subsection 109.05.



## **Section 702.— ASPHALT MATERIAL**

### **702.03 Emulsified Asphalt.** Add the following to paragraph (b):

For CMS-2s conform to AASHTO M 208, Table 1 requirements for CMS-2, except that the percent oil distillate, by volume of emulsion must be at least 5.0 and no greater than 20.0. The oil distillate shall be naptha with a boiling range between 122 and 400 degrees Fahrenheit.



## Section 703.— AGGREGATE

**703.02 Coarse Aggregate for Concrete.** Delete the text of this Subsection and substitute with the following:

Conform to AASHTO M 80, class A including the reactive aggregate supplementary requirement, except as amended or supplemented by the following:

- |                                       |  |
|---------------------------------------|--|
| (a) Los Angeles abrasion, AASHTO T 96 | 40% max.                                 |
| (b) Adherent coating, ASTM D 5711     | 1.0% max.                                |
| (c) Grading, AASHTO M 43              | All sizes except numbers 8, 89, 9, or 10 |

For bridge decks or surface courses, do not use aggregates known to polish or carbonate aggregates containing less than 25 percent by mass of insoluble residue as determined by ASTM D 3042.

For lightweight coarse aggregate, conform to AASHTO M 195.

**703.17 Superpave Asphalt Concrete Pavement Aggregate.** Amend as follows:

Add the following:

- |   |               |
|---|---------------|
| (h) Accelerated weathering of aggregate by use of Dimethyl Sulfoxide (DMSO), WFLHD Standard Test Method | 12% max. loss |
| (i) Durability index, AASHTO T 210 (coarse and fine)  | 35 min.       |



Delete Table 703-13 and substitute with the following:

**Table 703-13**  
**Allowable Deviations for Target Value Gradations**

Gradation Range (percent passing)		Allowable Deviation (percent)
Minimum	Maximum	
70.1	89.9	4
60.1	70.0	5
55.1	60.0	6
45.1	55.0	7
40.1	45.0	6
30.1	40.0	5
21.1	30.0	4
8.1	21.0	3
0	8.0	2

**703.20 Aggregate-Topsoil.** (Added Subsection.)

Furnish an aggregate and topsoil blended with sufficient water for compaction. Conform to the following:

- |  |                     |
|--|---------------------|
| (a) Gradation  | Table 703-16        |
| (b) Silt particles (75 $\mu$ m - 2 $\mu$ m), AASHTO T 88 | 3% min. to 35% max. |
| (c) Clay particles (2 $\mu$ m or less), AASHTO T 88      | 3% min. to 20% max. |
| (d) Organic material, AASHTO T 194                       | 2% min. to 10% max. |

**Table 703 - 16**  
**Aggregate-Topsoil Gradation**

Sieve Size	Percent by Mass Passing Designated Sieve (AASHTO T 27)
1 inch	100
No. 4	55 - 80
No. 10	40 - 75

Special Contract Requirements

Project: WA PRA-MORA 10(11), SR 123-2 and SR 410-1c



## Section 704.— SOIL

**704.07 Select Borrow.** Delete the text of this Subsection and substitute with the following:

Furnish granular material, well graded from coarse to fine, free of excess moisture, muck, frozen lumps, roots, sod, or other deleterious material conforming to the following:

- |                               |             |
|-------------------------------|-------------|
| (a) Gradation                 | Table 704-1 |
| (b) Liquid limit, AASHTO T 89 | 30 max.     |

**Table 704-1**  
**Select Borrow Gradation**

Sieve Size	Percent by Mass Passing Designated Sieve (AASHTO T 27 & T 11)
3 inch	100
1 inch	70-100
No. 4	30-70
No. 200	0-5



## Section 705.— ROCK

### 705.03 Rock for Masonry Structures. Amend as follows:

#### Add the following:

Furnish stone, color: ocean pearl, conforming to the size and shape specified in the plans and Section 620. Provide a stone pattern according to Section 620.

Obtain approval of the proposed stone prior to ordering, producing, or shipping stone to the project.

Possible sources are:

Marenakos Rock Center  
Issaquah, Washington 98027-8820  
Telephone: (425) 392-3313  
FAX: (425) 392-7332

Vancouver Stone, LLC  
PO Box 70009  
Vancouver, Washington 998665  
Telephone: (360) 695-2988  
FAX: (360) 695-3191

#### Delete the second through sixth paragraphs of (a) and substitute with the following:

The minimum thickness of Class B masonry shall be 4 inches including bulge. Size and face areas shall be provided to produce the general characteristics and appearance as shown on the plans.

Sectional dimensions of capstones shall be as detailed on the plans. Capstone lengths shall vary randomly throughout the wall. Maximum and minimum lengths are 24 inches and 18 inches respectively.

#### Delete the first paragraph of (d) and add the following to the second paragraph:

All Class B masonry joint surfaces shall be slightly irregular with a split finish.

#### Delete the text of (f) and substitute with the following:

The exposed stone faces shall have an irregular projecting surface (or bulge) as shown on the plans, without indications of tool marks, which when measured in millimeters will have:

- (1) No concave surfaces closer to the working line than the minimum specified bulge.
- (2) No surfaces exceeding the maximum specified bulge from the working line.



The bulge shall gradually taper down to the working line at the joints. Stones with the same height of bulge shall be well distributed. Stones of maximum or minimum bulge shall not be bunched together, but shall be randomly placed throughout the wall to give a uniform appearance. The bulge of individual stones shall be irregular to provide a variety in the texture of the entire surface.

**705.06 Stone Curbing.** Delete the text of (a) and substitute with the following:

The back and bottom sides of the stone are to be sawn. The top and front sides of the stone are to be machine split. The stones shall not have concave breakage in both the top and bottom faces, or the front and back faces.

The top of the stone shall be free of warp or twist and shall have no projections or depressions greater than 0.25 inches from the plane of the exposed face. The front of the stone shall have no projections or depressions greater than 1 inch from the plane of the exposed face.

The length of stone curb shall range between 2 feet and 3 feet.

Furnish stone for curbing which is similar in color and texture to the stone used in the Deer Creek Bridge. Obtain approval of the proposed stone prior to ordering, producing, or shipping stone to the project.

Possible sources are:

Marenakos Rock Center  
Issaquah, Washington 98027-8820

Telephone: (425) 392-3313  
FAX: (425) 392-7332

Vancouver Stone, LLC  
PO Box 70009  
Vancouver, Washington 998665  
Telephone: (360) 695-2988  
Telephone: FAX: (360) 695-3191

**705.07 Rock Boulders.** (Added Subsection.)

Furnish boulders conforming to the size, color and shape specified in the plans. Obtain approval of the proposed boulders prior to ordering, producing, or shipping to the project.

Possible source is:

Glacier Northwest, White River  
Enumclaw, WA  
Telephone: (360)825-6204  
Fax: (360)825-6266



## **Section 706.— CONCRETE AND PLASTIC PIPE**

**706.07 Precast Reinforced Concrete Box Sections.** Delete the text of this Subsection and substitute with the following:

Conform to ASTM C 1433M. Meet the design requirements for HS20 loading.

**706.08 Plastic pipe.** Delete the text of paragraph (d) and substitute with the following:

**(d) Corrugated polyethylene drainage tubing.** Furnish 3 to 10-inch diameter tubing conforming to AASHTO M 252, Type C or CP.



**Section 708.— PAINT**

**708.04 Paint for Steel Structures.** Delete the text of this Subsection and substitute with the following:

Conform to the following:

- |                                      |                      |
|--------------------------------------|----------------------|
| (a) Inorganic zinc primer.           | AASHTO M 300 type II |
| (b) Vinyl wash primer.               | SSPC no. 27          |
| (c) Aluminum vinyl paint.            | SSPC no. 8           |
| (d) White or colored vinyl paint.    | SSPC no. 9           |
| (e) Aliphatic urethane coating.      | USPS-C-644 type I    |
| (f) Latex primer for steel surfaces. | SSPC no. 23          |
| (g) Acrylic latex coating.           | SSPC no. 24          |
| (h) Epoxy coating.                   | SSPC no. 22          |
| (i) Alkyd primer.                    | SSPC no. 31          |
| (j) Silicone alkyd coating.          | SSPC no. 21          |



## **Section 710.— FENCE AND GUARDRAIL**

**710.08 Steel-Backed Timber Rail.** Delete the last sentence and substitute with the following:

Treat the wood and mark each piece of treated timber according to AASHTO M 133. Treat the wood for the timber rail, blockout elements, and posts with Copper Naphthenate according to AWWA Standard C14. Use Copper Naphthenate treatment to a minimum retention of 0.60 pounds per cubic foot measured in incised wood.



## Section 713.— ROADSIDE IMPROVEMENT MATERIAL

**713.01 Topsoil.** Delete the text of this Subsection and substitute with the following:

(a) Manufactured topsoil must be certified weed-free and conform to the following specifications:

Alberta Sphagnum Peat	10%
Pumice Slo #7 (Mt. Mazama)	15%
Fine bark #2 (Western, WA)	10%
Washed bank sand (Ind.)	35%
Loamy fine sand	30%

Nutrients added: Lbs/Yd

Treble Superphosphate (0-45-0)	0.57
Ferrous Sulphate (20% Fe)	0.50
Apex 19-6-12 (8-9 Mo.)	1.0
Dolomite Lime (MgCaCo3)	2.0
Fritted micro nutrients (Fe, Mn, Zn, Cu, B, Mo); Oz/Yd	1.8

**713.02 Agricultural Limestone.** Delete the text of this Subsection.

**713.03 Fertilizer.** Delete the text of this Subsection and substitute with the following:

Tackifier will be Government Furnished.

**713.04 Seed.** Delete the text of this Subsection and substitute with the following:

Use Government furnished seed for all seeding within the project limits. Notify the CO three weeks before the seed is needed. Store seed in a secure container that protects seed from damage including moisture, insects and animals.

**713.05 Mulch.** Delete the text of this Subsection and substitute with the following:

Furnish 100 percent virgin wood fiber for all mulching within the project limits meeting the following requirements:

- (a) Colored with a green dye noninjurious to plant growth;
- (b) Readily dispersible in water;
- (c) Nontoxic to seed or other plant material;
- (d) Free of growth or germination inhibiting substances;
- (e) Free of weed seed;



- (f) Air dried to an equilibrium moisture content of 12+/- 3 percent;
- (g) Packaged in new label containers; and
- (h) Packaged in a condition appropriate for mixing in a homogeneous slurry suitable for application with power spray equipment.

Prior to application, add Government Furnished tackifier at the rate of 80 pounds per acre.

**713.12 Stabilizing Emulsion Tackifier** Delete the text of this Subsection and substitute with the following:

Tackifier will be Government Furnished.



## Section 714.— GEOTEXTILE AND GEOCOMPOSITE DRAIN MATERIAL

### 714.03 Biaxial Geogrid. (Added Subsection.)

Use geogrid with a regular network of integrally-connected longitudinal and transverse polymer tensile elements with a geometry that permits significant mechanical interlock with the backfill. The geogrid structure shall remain dimensionally stable under construction stresses and have a high resistance to damage during construction, to ultraviolet degradation, and to all forms of chemical and biological degradation encountered in the soil being reinforced.

Identify, store, and handle geogrids according to ASTM D 4873. Limit geogrid exposure to ultraviolet radiation to less than 10 days.

(a) **Physical Requirements.** Provide a biaxial geogrid conforming to Table 714-7.

**Table 714-7**  
**Physical Requirements for Biaxial Geogrids**

Property	Test Method	Units	Specification
Tensile Strength at 2% Strain	ASTM D 6637	lb/ft	410
Junction Efficiency	GRI-GG2	%	90
Minimum Aperture Size	Calipered	inch	11/16
Maximum Aperture Size	Calipered	inch	1 1/2

All strength values in this table are minimum average roll values in the weakest principle direction. Determine minimum average roll values according to ASTM D 4759.

(b) **Evaluation procedures.** Evaluate geogrid according to Subsection 714.01(b).



**Section 718.— TRAFFIC SIGNING AND MARKING MATERIAL**

**718.14 Waterborne Traffic Paint. (g) Daylight reflectance.** (Without glass beads) Delete the text of this Subsection and substitute with the following:

- |                         |   |
|-------------------------|---|
| (1) White, ASTM E 1347  | 84% relative to magnesium<br>oxide standard |
| (2) Yellow, ASTM E 1347 | 55% relative to magnesium<br>oxide standard |



## Section 725.— MISCELLANEOUS MATERIAL

**725.04 Pozzolans.** Delete paragraph (a) and substitute with the following:

- |             |   |
|-------------|---|
| (a) Fly ash | AASHTO M 295, class C or F,<br>except the loss on ignition must<br>not exceed 3.0%. |
|-------------|---|

**725.22 Grout.** Add the following:

**(g) Microfine neat cement grout.** Furnish a grout consisting of microfine cement, water, and admixtures. Do not exceed a water/cement ratio of 1.0. Admixtures or dispersant agents may be used to improve the flowability and uniformity of the grout. Furnish a microfine cement conforming to ASTM C 595 and the following:

- |   |                                    |
|---|------------------------------------|
| (1) Blaine fineness, surface area, ASTM C 204 | 12,000 cm <sup>2</sup> /g, minimum |
| (2) Particle size, ASTM C 204                 | 10 μm, maximum                     |

**725.23 Dovetail Slots and Anchors.** (Added Subsection.)

Furnish dovetail slots fabricated from hot-dipped galvanized steel, filled with foam. Furnish dovetail anchors fabricated from A304 stainless steel.